Permit No. D-042

Division of Mineral Resources Management

COAL MINING & RECLAMATION PERMIT

Application to Revise a Permit

(ARP)

Issued to: Bennoc, Inc.
PO Box 208
Morristown, Ohio 43759
Telephone (740) 782-1330

Application No. R-0425-5
Effective May 24, 2001
Expires October 21, 2004

Reason for ARP: **Update mining permit to current regulatory standards** - Surface

The issuance of this ARP means only that the application to conduct a coal mining operation meets the requirements of Chapter 1513 of the Revised Code, and as such DOES NOT RELIEVE the operator of any obligation to meet other federal, state or local requirements.

This ARP is issued in accordance with and subject to the provisions, conditions, and limitations of Chapter 1513 of the Revised Code and Chapters 1501:13-1, 1501:13-3 through 1501:13-14 of the Administrative Code.

The approved water monitoring plan for this ARP is:

Monitor for quality at: N/A

Monitor for quantity at: N/A

NOTE: ANY PREVIOUS CONDITION(S) IMPOSED ON THIS PERMIT, OR SUBSEQUENT ADJACENT AREAS, ALSO APPLY TO THIS ARP UNLESS NOTED OTHERWISE.

Date May, 24, 2001

Michael G. Sponsler by RLC

Chief, Division of Mineral Resources Management

100

OPERATOR

AEC 08371

2/96

__X__ New Submittal
_____ Revised Submittal R- 0425-5

OHIO DEPARTMENT OF NATURAL RESOURCES
DIVISION OF MINES AND RECLAMATION

APPLICATION TO REVISE A COAL MINING PERMIT

Note: Refer to the Division's "General Guideline for Processing ARPs" and "Requirements for Specific Types of Common ARPs" for guidance on submitting and processing ARPs.

1. Applicant's Name Bennoc, Inc.

   Address P.O. Box 208, 38722 National Road

   City Morristown State Ohio Zip 43759

   Telephone Number 740 - 782 - 1330

2. Permit Number D-0425

3. Section of mining and reclamation plan to be revised:

PART 1, PAGE 1, ITEM D
PART 1, PAGE 3, ITEM A(4)
PART 1, PAGE 4, ITEM A(8, 11 & 14)
PART 1, PAGE 5, ITEM B(2)
PART 1, PAGE 6, ITEM C(1)(a)
PART 1, PAGE 7, ITEM C(1)(b)
PART 1, PAGE 8, ITEM C(2, 3, 4, 5, & 6)
PART 1, PAGE 9, ITEM C(8)(a)
PART 1, PAGE 10, ITEM C(8)(b)
PART 1, PAGE 11, ITEM C(9)(a)
PART 1, PAGE 12, ITEM C(9)(b)
PART 1, PAGES 13 & 14, ITEM D, PAGE 14, ITEM E
PART 1, PAGE 15, ITEM F(1, 2, 3, & 4), ITEM G(1 & 2)
PART 2, PAGE 16, ITEM A(1 & 2), ITEM B(1 & 2)
PART 2, PAGE 17, ITEM C(1 thru 5), ITEM D(1 & 2)
PART 2, PAGE 18, ITEMS D, E, & F
PART 2, PAGE 19, ITEM G (1 thru 7)
PART 2, PAGE 19, ITEM G (1 thru 7)
PART 2, PAGE 20, ITEMS G & H
PART 3, PAGE 21, ITEM A(1, 2, 3, 4, 5, 6, 7, & 8)
PART 3, PAGE 22, ITEM A(9, 10, 11 & 12)
PART 3, PAGE 23, ITEM A(12) (e-f), (13) (14)
PART 3, PAGE 24, ITEM B(2), C, & D(1-6)
PART 3, PAGE 25, ITEM D(6)(b)(c)(d), & D (7, 8, 11, & 12)
PART 3, PAGE 26, ITEM E(1-3), F(1, 2, & 3)
PART 3, PAGE 27, ITEM G(1, 2, 3, & 6)
PART 3, PAGE 28, ITEM H, & I
PART 3, PAGE 29, ITEM K(4 & 5)
PART 3, PAGE 30, ITEM K(5, 6, &7)
PART 3, PAGE 31
PART 3, PAGE 32
PART 3, PAGE 33

4. Describe in detail the proposed revision and submit any necessary drawings, plans, maps, etc.:

THIS REVISION IS TO UPDATE EXISTING PERMIT D-0425 SURFACE PERMIT TO FACILITATE REACTIVATION OF THE UNDERGROUND MINE. SEE ATTACHED PERMIT APPLICATION PAGES, ADDENDUMS , AND MAP.

5. Describe in detail the reason for requesting the revision:

MANDATED BY ODNR, DIVISION OF MINERAL RESOURCES MANAGEMENT DURING THE REVIEW PROCESS FOR ADJACENT AREA APPLICATION D-0425-1.

6. Will this revision constitute a significant alternation from the mining and reclamation operation contemplated in the original permit? *X Yes, _____ No.
   (**Note:** refer to paragraph (E) (2) of 1501:13-04-06 of the Ohio Administrative Code to determine if a revision is deemed significant.)

R - 0425 - 5

*The applicant does not feel that this revision qualifies as "significant " per the above referenced rule, however, the "significant" status was specified by ODNR. See item 5. Above.

If "yes," complete the following items 7 through 9.

OPERATION

7. In the space below give the name and address of the newspaper in which the public notice is to be published.

   THE TIMES LEADER
   200 SOUTH 4TH STREET
   MARTINS FERRY, OH 43935

8. In the space below give the text of the public notice that is to be published. (Include the information required by paragraph (A)(1) of 1501:13-05-01 of the Ohio Administrative Code.)

   SEE ADDENDUM TO PAGE 15, ITEM G(2)

9. In the space below give the name and address of the public office where this application is to be filed for public viewing.

   BELMONT COUNTY COURTHOUSE, RECORDERS OFFICE
   MAIN STREET
   ST.CLAIRSVILLE, OH 43950

I, the undersigned, a responsible official of the applicant, do hereby verify the information contained in this revision request is true and correct to the best of my information and belief.

Larry Conway — Print Name
12-1-00 — Date
Larry Conway — Signature
President — Title

Sworn before me and subscribed in my presence this 1st day of December, 20 00

Ellen M. Hoper
Notary Public

[illegible] Notary Public
State of Ohio
[illegible] September 23, 2001

FOR DIVISION USE ONLY

This request is hereby _____.

Chief, Division of Mines and Reclamation — Date

I, the undersigned, a responsible official of the applicant, do hereby verify the information contained in this revision request is true and correct to the best of my information and belief.

Larry Conway
Print Name

4-10-01
Date

Larry Conway
Signature

President
Title

Sworn before me and subscribed in my presence this 10th day of April, 2001

Jack A Hamilton
Notary Public

JACK A. HAMILTON
Notary Public, State of Utah
My Commission Expires July 21, 2005

FOR DIVISION USE ONLY

This request is hereby _____.

Chief, Division of Mines and Reclamation

Date

I, the undersigned, a responsible official of the applicant, do hereby verify the information contained in this revision request is true and correct to the best of my information and belief.

Larry Conway
Print Name

5-11-01
Date

Larry Conway
Signature

President
Title

Sworn before me and subscribed in my presence this 11th day of May, 2001

Jack A Hamilton
Notary Public

JACK A. HAMILTON
Notary Public, State of Ohio
My Commission Expires October 19, 2005

11/90

OHIO DEPARTMENT OF NATURAL RESOURCES
DIVISION OF RECLAMATION
UNDERGROUND COAL MINING AND RECLAMATION
PERMIT APPLICATION

Applicant: BENNOC, INC,

A. Type of Operation (check, appropriate space(s)):

__X__ Shaft, __X__ Slope, _____ Drift,
_____ Room and Pillar, _____ Pillar Extraction,
_____ Longwall, _____ Combined Surface and Underground
__X__ Other SURFACE FACILITIES FOR UNDERGROUND MINE

B. Type of Application (check appropriate space (s)):

(1) _____ New
(2) _____ Initial Underground Workings to Existing Permit
(3) _____ Additional Underground Workings
(4) __X__ Other SURFACE FACILITIES FOR UNDERGROUND MINE

C. Address the following if applicable:

(1) Permit Number D-0425
(2) Date Issued 10-22-84

D. Did a person other than an employee of the applicant prepare this application? __X__ Yes, _____ No. If "yes," provide:

Preparer's Name JACK A. HAMILTON & ASSOCIATES, INC.

Address P.O. BOX 471, 342 HIGH STREET

City FLUSHING State OHIO Zip 43977

Telephone 740 - 968 - 4947

E. I, the undersigned a responsible official of the applicant do hereby verify the information in the complete permit application as true and correct to the best of my information and belief.

Printed Name LARRY CONWAY Date 12-1-00

Signature Larry Conway Title PRESIDENT

Sworn before me and subscribed in my presence this

1st day of December, 2000.

Ellen M. Roper
Notary Public

Notary Public
State of Ohio
My Commission Expires September 28, 2001

AEC 08376

F. For Revision Review Only. This item is to be completed after revisions, if any, have been made to the permit application.

I, the undersigned, a responsible official of the applicant, do hereby verify and acknowledge the revisions made during the permit review process as true and correct to the best of my information and belief.

Printed Name LARRY CONWAY Title PRESIDENT

Signature Larry Conway Date 4-5-01

Sworn before me and subscribed in my presence this

5th day of April, 20 01.

Arlene Warner
Notary Public

7-22-2002

PART 1 LEGAL, FINANCIAL, COMPLIANCE, AND RELATED INFORMATION

A. IDENTIFICATION OF INTERESTS

(1) Applicant's Name BENNOC, INC.

Address P.O. BOX 208, 38722 NATIONAL ROAD

City MORRISTOWN State OHIO Zip 43759

Telephone 740 - 782 - 1330

Employer Identification No. (EIN) 34-1036688 or

Social Security No. (SSN), _____

(2) Indicate business structure of entity and additional information:

_____ Single Proprietorship,
_____ Partnership (registration no. and date obtained) _____,
X Corporation (charter no. and date incorporated) 371500 MAY 07, 1968,
_____ Association, _____ Other, specify _____

(3) If the entity is a single proprietorship, provide the following:

Owner's Name _____

Address _____

City _____ State _____ Zip _____

Telephone _____ - _____ - _____

EIN _____, or SSN _____

Beginning date of ownership _____

F. For Revision Review Only. This item is to be completed after revisions, if any, have been made to the permit application.

I, the undersigned, a responsible official of the applicant, do hereby verify and acknowledge the revisions made during the permit review process as true and correct to the best of my information and belief.

Printed Name LARRY CONWAY Title PRESIDENT

Signature Larry Conway Date 5-11-01

Sworn before me and subscribed in my presence this 11TH day of May, 20 01.

Jack A. Hamilton
Notary Public

JACK A. HAMILTON
Notary Public, State of Ohio
My Commission Expires October 19, 2005

A. (4) If the applicant is a business entity other than a single proprietorship, provide the following for the applicant's statutory agent and submit Attachment 1.

Agent's Name LARRY CONWAY

Address 60962 SANDY RIDGE ROAD

City BARNESVILLE State OHIO Zip 43713

Telephone (740)- 782 - 1330

(5) Is the operator of the mine to be a person different from the applicant? X Yes, _____ No. If "Yes," provide the operator's name and submit Attachment 17. (Note: if more than one operator, indicate operator's name and submit a separate attachment for each).

Operator's Name AMERICAN ENERGY CORP.

(6) Provide the following for the person who will pay the abandoned mine land reclamation fee for the applicant.

Name BENNOC, INC.

Address P.O. BOX 208, 38722 NATIONAL ROAD

City MORRISTOWN State OHIO Zip 43759

Telephone (740) 782 - 1330

EIN _____ , or SSN (optional) 295-36-8852

(7) Provide the following for all persons having the authority or ability to commit the financial, real property assets, or working resources of the applicant who are not otherwise identified as officers, directors, or owners of the applicant. If none, check box: [X]. If any person listed is a business entity and not an individual, also complete Attachment 1 for that person.

Name **SEE ATTACHMENT 1 CONTAINED IN TRANSFER PERMIT**

Address _____

City _____ State _____ Zip _____

Telephone ____ - _____ - _____

EIN _____ , or SSN (optional) _____

Date O & C relationship began/ended (if applicable)

_____

Submit and identify additional pages necessary to complete response.

11/92

OHIO DEPARTMENT OF NATURAL RESOURCES
DIVISION OF RECLAMATION

ATTACHMENT 17
(OPERATOR OWNERSHIP AND CONTROL INFORMATION)

This attachment is to be completed and submitted with the permit application if an entity other than the permittee will remove overburden or coal from a coal mining and reclamation operation.

1. Operator's Name American Energy Corporation
   Address RD 1 Box 119
   City Avonmore State PA Zip 15618
   Telephone (724)- 697 - 4551
   Employer Identification No. (EIN) 31-1550443, or
   Social Security No. (SSN), N/A

2. Indicate business structure of operator and additional information:

   _____ Single proprietorship,
   _____ Partnership (registration no. and date obtained)
   _____,
   __X__ Corporation (charter no. and date incorporated)
   00842695 4-12-1993,
   _____ Association, _____ Other, specify _____

3. If the operator is a single proprietorship, provide the following:

   Owner's Name N/A
   Address _____
   City _____ State _____ Zip _____
   Telephone _____-_____-_____
   EIN _____, or SSN _____
   Beginning date of ownership _____

4. If the operator is other than a single proprietorship, provide the following for the operator's statutory agent for service of process:

   Agent's Name American Energy Corporation
   Address RD 1 Box 119
   City Avonmore State PA Zip 15618
   Telephone (724)- 697 - 4551
   EIN 31-1550443, SSN (Optional) _____

5. If the operator is other than a single proprietorship, provide the following for all officers, partners, directors, stockholders owning ten percent or more of any class of voting stock or other instruments of ownership, and any other person performing a function similar to a director. If any person listed is a business entity and not an individual, also complete item 7. for that person.

Name D. Arthur Hile
Address RD 1 Box 119
City Avonmore State PA Zip 15618
Telephone (724)- 697 - 4551
EIN 31-1550443, or SSN
Title of position President and Treasurer
Date position assumed/ended (if applicable) 6/1/2000/
Percent of ownership 0 Date of ownership N/A
Location in organizational structure President/Treasurer

Name Michael O. McKown
Address RD 1 Box 119
City Avonmore State PA Zip 15618
Telephone (724)- 697 - 4551
EIN 31-1550443, or SSN
Title of position Secretary
Date position assumed/ended (if applicable) 11/1/99/
Percent of ownership 0 Date of ownership N/A
Location in organizational structure Secretary

Name Clyde Borrell
Address RD 1 Box 119
City Avonmore State PA Zip 15618
Telephone (724)- 697 - 4551
EIN 31-1550443, or SSN
Title of position Director
Date position assumed/ended (if applicable) 11-1-99 /
Percent of ownership 0 Date of ownership N/A
Location in organizational structure Director

Name Coal Resources, Inc.
Address 29525 Chagrin Blvd. Suite 111
City Pepper Pike State Ohio Zip 44122
Telephone (216)- 765 - 1240
EIN 34-1586390, or SSN
Title of position Owner
Date position assumed/ended (if applicable) /
Percent of ownership 100% Date of ownership 01-01-98
Location in organizational structure Parent

Submit and identify additional pages necessary to complete response.

6. Provide the following for all persons having the authority or ability to commit the financial, real property assets, or working resources of the operator who are not otherwise identified as officers, directors, or owners of the operator. If none, check box: [X]. If any person listed is a business entity and not an individual, also complete Item 7. for that person.

Name ______________________________
Address ______________________________
City ______________ State ______________ Zip ________
Telephone _____-_____-_____
EIN ____________________, or SSN ______________
O & C relationship to operator ______________
Date O & C relationship began/ended (if applicable)
__________/__________

Name ______________________________
Address ______________________________
City ______________ State ______________ Zip ________
Telephone _____-_____-_____
EIN ____________________, or SSN ______________
O & C relationship to operator ______________
Date O & C relationship began/ended (if applicable)
__________/__________

Name ______________________________
Address ______________________________
City ______________ State ______________ Zip ________
Telephone _____-_____-_____
EIN ____________________, or SSN ______________
O & C relationship to operator ______________
Date O & C relationship began/ended (if applicable)
__________/__________

Name ______________________________
Address ______________________________
City ______________ State ______________ Zip ________
Telephone _____-_____-_____
EIN ____________________, or SSN ______________
O & C relationship to operator ______________
Date O & C relationship began/ended (if applicable)
__________/__________

Name ______________________________
Address ______________________________
City ______________ State ______________ Zip ________
Telephone _____-_____-_____
EIN ____________________, or SSN ______________
O & C relationship to operator ______________
Date O & C relationship began/ended (if applicable)
__________/__________

Name ______________________________
Address ______________________________
City ______________ State ______________ Zip ________
Telephone _____-_____-_____
EIN ____________________, or SSN ______________
O & C relationship to operator ______________
Date O & C relationship began/ended (if applicable)
__________/__________

Submit and identify additional pages necessary to complete response.

8. List all U.S coal mining permits issued to the operator and/or any person or entity identified in items 5, 6, or 7 within the five years preceding submittal of the application.

Permit holder's name Energy Resources, Incorporated
Address P.O. Box 259
City Brockway State PA Zip 15824
Telephone (814) 265-8021
EIN 31-1044044 or SSN

Permit No.	State	Regulatory Authority	MSHA No. and Date Issued
33840125	PA	PA DOEP	36-02695 5-25-88
33860102	PA	PA DOEP	36-02695 5-25-88
17880102	PA	PA DOEP	36-02695 5-25-88
33870113	PA	PA DOEP	36-02695 5-25-88
33830115	PA	PA DOEP	36-02695 5-25-88
24880101	PA	PA DOEP	36-02695 5-25-88
24880103	PA	PA DOEP	36-02695 5-25-88
24890108	PA	PA DOEP	36-02695 5-25-88
24900102	PA	PA DOEP	36-02695 5-25-88
24900104	PA	PA DOEP	36-02695 5-25-88
24900103	PA	PA DOEP	36-02695 5-25-88
24890101	PA	PA DOEP	36-02695 5-25-88
24890102	PA	PA DOEP	36-02695 5-25-88
24960101	PA	PA DOEP	36-02695 5-25-88

Permit holder's name Maple Creek Mining Incorporated
Address 29525 Chagrin Blvd., Suite 111
City Pepper Pike State OH Zip 44122
Telephone (216) 765-1240
EIN 25-1755305 or SSN

Permit No.	State	Regulatory Authority	MSHA No. and Date Issued
6384130	PA	PA DOEP	36-00970 1970
6373370	PA	PA DOEP	1211-PA20-0058-03 1970
6372370	PA	PA DOEP	1211-PA20-0058-04 1970

Permit holder's name The Oklahoma Coal Company
Address Suite 111, 29525 Chagrin Blvd.
City Pepper Pike State OH Zip 44122
Telephone (216) 765-1240
EIN 34-1673480 or SSN

Permit No.	State	Regulatory Authority	MSHA No. and Date Issued
D-0230	Ohio	Div. of Reclamation	N/A

Submit and identify additional pages necessary to complete response.

7. Complete this item whenever a business entity, rather than an individual, is listed in Items 5, 6, or 7. Check the box corresponding to the item number in which the entity is found:

5. [X], 6. [ ], 7. [ ].

Name of entity Coal Resources, Inc.
Provide the following for owners and controllers of this entity. If any person listed is a business entity and not an individual, also complete Item 7. for that person.

Name Donald A. Gentry
Address 29525 Chagrin Blvd., Suite 111
City Pepper Pike State OH Zip 44122
Telephone (216)- 765 - 1240
EIN 34-1586390, or SSN
Title of position President
Date position assumed/ended (if applicable) 11-1-99/
Percent of ownership 0 Date of ownership N/A
Location in organizational structure President

Name Michael E. Elliott
Address 29525 Chagrin Blvd., Suite 111
City Pepper Pike State OH Zip 44122
Telephone (216)- 765 - 1240
EIN 34-1586390, or SSN
Title of position Secretary
Date position assumed/ended (if applicable) 11-1-99/
Percent of ownership 0 Date of ownership N/A
Location in organizational structure Secretary

Name D. Arthur Hile
Address 29525 Chagrin Blvd., Suite 111
City Pepper Pike State OH Zip 44122
Telephone (216)- 765 - 1240
EIN 34-1586390, or SSN
Title of position Treasurer, Assistant Secretary
Date position assumed/ended (if applicable) Treasurer 11-01-99/
Date position assumed/ended (if applicable) Asst. Sec. 6/26/00 /
Percent of ownership 0 Date of ownership N/A
Location in organizational structure Treasurer/ Asst. Sec.

Name Bradley J. Packer
Address 29525 Chagrin Blvd., Suite 111
City Pepper Pike State OH Zip 44122
Telephone (216)- 765 - 1240
EIN 34-1586390, or SSN
Title of position Assistant Secretary
Date position assumed/ended (if applicable) 6-26-00/4-16-01
Percent of ownership 0 Date of ownership N/A
Location in organizational structure N/A

Submit and identify additional pages necessary to complete response.

Name of entity Coal Resources, Inc.

Provide the following for owners and controllers of this entity. If any person listed is a business entity and not an individual, also complete Item 7. for that person.

Name Robert A. Murray
Address 29525 Chagrin Blvd., Suite 111
City Pepper Pike State OH Zip 44122
Telephone (216)- 765 - 1240
EIN 34-1586390, or SSN
Title of position Sole Shareholder, Director
Date positions assumed/ended (if applicable) 1-29-88/
Percent of ownership 100% Date of ownership 1-29-88
Location in organizational structure Sole Shareholder, Director

Name Steven Ellis
Address 29525 Chagrin Blvd., Suite 111
City Pepper Pike State OH Zip 44122
Telephone (216)- 765 - 1240
EIN 34-1586390, or SSN
Title of position Secretary
Date position assumed/ended (if applicable) 5-24-88/10-31-99
Percent of ownership 0 Date of ownership N/A
Location in organizational structure N/A

Name Michael Loiacono
Address 29525 Chagrin Blvd., Suite 111
City Pepper Pike State OH Zip 44122
Telephone (216)- 765 - 1240
EIN 34-1586390, or SSN
Title of position Assistant Secretary/Treasurer
Date position assumed/ended (if applicable) Secretary 01-02-92 /10-31-99
Date position assumed/ended (if applicable) Treasurer 09-03-88 /10-31-99
Percent of ownership 0 Date of ownership N/A
Location in organizational structure N/A

Submit and identify additional pages necessary to complete response.

8. Permit holder's name Oneida Coal Company, Inc.
Address 680 Wolf Creek Road
City Sutton State WV Zip 26601
Telephone (304) 765-7338
EIN 55-0713676 or SSN

Permit No.	State	Regulatory Authority	MSHA No. and Date Issued
P-154-81	WV	WV DOEP	N/A
P-62-81	WV	WV DOEP	N/A
P-2043-89	WV	WV DOEP	N/A
S-2004-87	WV	WV DOEP	46-06766 2-28-92
S-71-85	WV	WV DOEP	46-06766 2-28-92

Permit holder's name Mon Valley Transportation Center, Inc.
Address P.O. Box 135, 1060 Ohio Avenue
City Glassport State PA Zip 15045
Telephone (412) 672-1411
EIN 25-1490495 or SSN

Permit No.	State	Regulatory Authority	MSHA No. and Date Issued
02851602	PA	PA DOEP	N/A

Permit holder's name Belmont Coal, Inc.
Address Box 156, 30799 Pinetree Road
City Pepper Pike State OH Zip 44124
Telephone (216) 765-1240
EIN 31-153-6602 or SSN

Permit No.	State	Regulatory Authority	MSHA No. and Date Issued
D-0241	Ohio	ODNR	33-04397 7-31-97
D-1020	Ohio	ODNR	33-03048 7-02-93

Permit holder's name The Ohio Valley Coal Company
Address 56854 Pleasant Ridge Road
City Alledonia State Ohio Zip 43902
Telephone (740) 926-1351
EIN 34-1041302 or SSN

Permit No.	State	Regulatory Authority	MSHA No. and Date Issued
D-0360	Ohio	ODNR	33-01159 5-25-88

Submit and identify additional pages necessary to complete response.

9. List all U.S. coal mining applications pending for the operator and/or person or entity identified in items 5, 6, or 7.

Entity with pending application Belmont Coal, Inc.

Application No.	State	Regulatory Authority
1436	Ohio	ODNR
1473	Ohio	ODNR

Entity with pending application Maple Creek Mining, Inc.

Application No.	State	Regulatory Authority
63841302	PA	PA DOEP

Entity with pending application The Ohio Valley Coal Co.

Application No.	State	Regulatory Authority
D-0360-9	Ohio	ODNR

Submit and identify additional pages necessary to complete response.

Compliance Information

10. Has the operator, any subsidiary, affiliate, or persons controlled by or under common control with the operator:

(a) Has a federal or state coal mining permit suspended or revoked in the five years preceding the date of submission of the application? _____ Yes, __X__ No. If "yes," provide the following:

Name of entity suspended/revoked _____
Permit No. _____ Date permit issued _____
State and regulatory authority _____
Reasons for action _____
Current status of permit _____

(If administrative or judicial proceedings initiated, provide the following:)

Date _____ Location _____
Type _____
Current status of proceedings _____

Submit and identify additional pages necessary to complete response.

(b) Forfeited a mining bond or similar security deposited in lieu of bond? _____ Yes, __X__ No. If yes," provide the following

Name of entity forfeited _____
Permit No. _____ Date permit issued _____
State and regulatory authority _____
Reasons for action _____
Current status of bond or security _____

(If administrative or judicial proceedings initiated, provide the following:)

Date _____ Location _____
Type _____
Current status of proceedings _____

Submit and identify additional pages necessary to complete response.

11. Have any unabated state or federal cessation orders (CO) and unabated air and water quality notices of violation (NOV) been received prior to the submission of the application by any coal mining and reclamation operation owned or controlled by the operator or any person identified in items 5, 6, or 7? _____ Yes, __X__ No. If "yes," provide the following:

Name to whom CO/NOV was issued ______________________
Permit no. __________ CO/NOV I.D. no. __________
State and regulatory authority ______________________
Date CO/NOV issued ______________________
Description of alleged CO/NOV ______________________
Abatement actions taken ______________________
Date of abatement actions ______________________
Current status of CO/NOV ______________________
(If administrative/judicial proceedings initiated, provide the following:)
Date __________ Location ______________________
Current status of proceedings ______________________

Name to whom CO/NOV was issued ______________________
Permit no. __________ CO/NOV I.D. no. __________
State and regulatory authority ______________________
Date CO/NOV issued ______________________
Description of alleged CO/NOV ______________________
Abatement actions taken ______________________
Date of abatement actions ______________________
Current status of CO/NOV ______________________
(If administrative/judicial proceedings initiated, provide the following:)
Date __________ Location ______________________
Current status of proceedings ______________________

Name to whom CO/NOV was issued ______________________
Permit no. __________ CO/NOV I.D. no. __________
State and regulatory authority ______________________
Date CO/NOV issued ______________________
Description of alleged CO/NOV ______________________
Abatement actions taken ______________________
Date of abatement actions ______________________
Current status of CO/NOV ______________________
(If administrative/judicial proceedings initiated, provide the following:)
Date __________ Location ______________________
Current status of proceedings ______________________

Submit and identify any additional pages necessary to complete response.

12. I, the undersigned, a responsible official of the operator, do hereby verify the information contained in this attachment is true and correct to the best of my knowledge and belief.

Printed Name Clyde Borrell, Title Director

Signature Clyde Borrell as Director, Date 1/26/01

Sworn before me and subscribed in my presence this 26th day of January, 2001.

Ellen M. Hopen
Notary Public

[illegible] 22, 2001

ADDENDUM TO PART 1, PAGE 3, ITEM A(5),
BENNOC, INC.

Chief
ODNR, Division of Mineral Resources Management
1855 Fountain Square Court
Columbus, Ohio 43224

RE: Operator Information

Dear Chief,

As an owner or controller of AMERICAN ENERGY CORPORATION, I agree to be listed as an operator on Bennoc, Inc.'s, proposed coal mining operation. The permit is located in Sections 1, 2, 3, 7, 8, 9, 13, 14, 15, 19, 20 and 21, Township 6, Range 5, Wayne Township and in Sections 26, 27, 31, 32 and 33 Township 5, Range 4, Washington Township, Belmont County, Ohio.

Signature of Operator's owner or controller

Project Engineer
Title

4/5/01
Date

AEC 08391

(8) Provide the following for all persons owning or controlling the coal to be mined by another person under a lease, sublease, or other contract and (a) having the right to receive the coal after mining, or (b) having the authority to determine the manner in which another person conducts coal mining operations. If none, check box: [X]. If any person listed is a business entity and not an individual, also complete Attachment 1 for that person.

Name _____

Address _____

City _____State _____ Zip _____

Telephone _____ - _____ - _____

EIN _____ , or SSN _____

O & C relationship to entity _____

Date O & C relationship began/ended (if applicable)

_____/_____

Submit and identify additional pages necessary to complete response.

(9) List below the person or persons primarily responsible for ensuring that the applicant will comply with Chapter 1513. of the Revised Code and the rules adopted pursuant thereto while mining and reclaiming the area for which this permit is requested.

LARRY CONWAY

(10) Has the applicant, any person listed under items A(3), (7), and (8), or any person listed on Attachment 1 who "owned or controlled" or "owns or controls" as defined in 1501: 13-4-03(A), held a coal mining permit in the United States within the five years preceding the date of the application? ___X___ Yes, _____ No. If "yes," submit Attachment 5. **SEE ATTACHMENT 5**

(11) Does the applicant, any person listed under items A(3), (7), and (8), or any person listed on Attachment 1 have a pending coal mining application in any state of the United States? ___X___ Yes, _____ No. Is "yes," submit Attachment 23. **SEE ATTACHMENT 23**

(12) Indicate name of mine **CENTURY MINE**

(13) List below the MSHA identification numbers for the mine and for all mine-associated structures requiring MSHA approval on the proposed permit area.

33-61070

(14) Submit Attachment 22, Certificate of Liability Insurance.

SEE ATTACHED UPDATED ATTACHMENT 22

11/92

OHIO DEPARTMENT OF NATURAL RESOURCES
DIVISION OF MINERAL RESOURCES MANAGEMENT

ATTACHMENT 5
(PERMIT LISTING)

Applicant's Name **BENNOC, INC.**

Submit the following information for each coal mining operation owned or controlled by either the applicant or by any person who owns or controls the applicant.

Name of Business Entity **BENNOC, INC.**
Address **P.O. BOX 208, 38722 NATIONAL ROAD**
City **MORRISTOWN** State **OHIO** Zip **43759**
Telephone **740 - 782 - 1330**
EIN **34-1036688** or SSN _____

Permit No.	State	Regulatory Authority	MSHA No. and Date Issued
D-0425	OHIO	ODNR, DMR	33-61070 10-22-84
D-1159	OHIO	ODNR, DMR	33-02122 01-26-98

If not previously provided, indicate the ownership or control relationship of the business entity with the applicant, including percent of ownership and location in organizational structure:

AEC 08393

11/92

OHIO DEPARTMENT OF NATURAL RESOURCES
DIVISION OF RECLAMATION

ATTACHMENT 23
(PENDING PERMIT APPLICATIONS)

Applicant's Name BENNOC, INC.

Provide the following information for each pending coal mining application for either the applicant or any person who owns or controls the applicant.

Indicate the business entity for which this listing has been completed BENNOC, INC.

Application No.	Name of Regulatory Authority	State
D-0425-1	O.D.N.R., Division of Mineral Resources Management	Ohio

OHIO DEPARTMENT OF NATURAL RESOURCES
DIVISION OF MINES & RECLAMATION

ATTACHMENT 22
(CERTIFICATE OF LIABILITY INSURANCE)

Name of Insured **Bennoc, Inc.**

This is to certify that the policy of insurance listed below has been issued to the above named insured and is in force at this time. The policy provides bodily injury and property damage insurance for all coal mining and reclamation operations of the insured in the State of Ohio as required by paragraph (B) of rule 1501:13-7-07 of the Administrative Code stated below.

Name of Insurer **Federal Insurance Co.**
Policy Number **3710-25-72**
Policy Period **06/01/00** to **06/01/01**
Name of Underwriting Agent **Steele Insurance Assoc., Inc.**
Address of Underwriting Agent **107 Plaza Dr., St. Clairsville OH 43950**
Telephone No. of Underwriting Agent **740-695-8200**

In the event of cancellation or non-renewal of this policy, including non-payment of policy premiums, the insurer agrees to promptly notify: The Division of Mines & Reclamation, Fountain Square, Columbus, Ohio 43224.

11-16-00 — Carol L. Brown
Date — Signature of Underwriting Agent

This certificate is issued as a matter of information only and confers no rights upon the Division of Mines & Reclamation. This certificate does not amend, extend, or alter the coverage afforded by the policy listed above.

1501:13-7-07(B) THE PUBLIC LIABILITY INSURANCE POLICY SHALL:

(1) BE IN EFFECT DURING THE TERM OF THE PERMIT OR ANY RENEWAL INCLUDING THE LENGTH OF ALL RECLAMATION OPERATIONS;
(2) PROVIDE FOR PERSONAL INJURY AND PROPERTY DAMAGE PROTECTION IN AMOUNTS NOT LESS THAN THE FOLLOWING:
  (a) THREE HUNDRED THOUSAND DOLLARS FOR ALL DAMAGES BECAUSE OF BODILY INJURY SUSTAINED BY ONE PERSON AS THE RESULT OF ANY OCCURRENCE, AND FIVE HUNDRED THOUSAND DOLLARS FOR ALL DAMAGES BECAUSE OF BODILY INJURY SUSTAINED BY TWO OR MORE PERSONS AS THE RESULT OF ANY ONE OCCURRENCE; AND
  (b) THREE HUNDRED THOUSAND DOLLARS FOR ALL CLAIMS ARISING OUT OF DAMAGE TO PROPERTY AS THE RESULT OF ANY ONE OCCURRENCE INCLUDING COMPLETED OPERATIONS, WITH AN AGGREGATE LIMIT OF FIVE HUNDRED THOUSAND DOLLARS FOR all PROPERTY DAMAGE TO WHICH THE POLICY APPLIES.

(3) INCLUDE A RIDER REQUIRING THAT THE INSURER NOTIFY THE CHIEF WHENEVER SUBSTANTIVE CHANGES ARE MADE IN THE POLICY, INCLUDING ANY TERMINATION OR FAILURE TO RENEW.

B. COMPLIANCE INFORMATION

(1) Has the applicant, any subsidiary, affiliate, or persons controlled by or under common control with the applicant:

(a) Had a federal or state coal mining permit suspended or revoked in the five years preceding the date of submission of this application? _____ Yes, _____ No. If "yes," submit Attachment 6.

(b) Forfeited a mining bond or similar security deposited in lieu of bond? _____ Yes, _____ No. If "yes," submit Attachment 6.

(2) Has the applicant been issued a notice of violation (NOV) in connection with any coal mining and reclamation operation during the three years preceding the date of submission of this application for violations of Chapter 1513. of the Revised Code or these rules, or of any federal or state law, rule, or regulation pertaining to air or water environmental protection? __X__ Yes, _____ No. If "yes," submit Attachment 7A.

SEE ATTACHMENT 7A

(3) Have any unabated federal or state cessation orders (COs) and unabated air and water quality notices of violation (NOV's) been received prior to the submission date of this application by any coal mining and reclamation operation owned or controlled by either the applicant or by any person who owns or controls the applicant? _____ Yes, _____ No. If "yes," submit Attachment 7B.

11/92

OHIO DEPARTMENT OF NATURAL RESOURCES
DIVISION OF RECLAMATION
ATTACHMENT 7A
(NOTICES OF VIOLATION)

Applicants Name BENNOC, INC. (ALLISON MINE)

Permit No.	Violation Number	Date of Issuance	Issuing Agency	State	Brief Description of N.O.V.	Action Taken to Abate N.O.V.	Current Status of N.O.V. (*)
D-0425	22459	9/17/97	ODNR	OHIO	RAW & CLEAN COAL SILOS, CONVEYOR TO CLEAN COAL SILO, HAVE NOT BEEN REMOVED AND AREA RECLAIMED.	APPEAL TO BOARD OF REVIEW	VACATED

(*) If administrative or judicial proceedings have been initiated concerning any of the violations, identify the violation and provided an addendum indicating the date, location, type of proceeding, and current status.

AEC 08397

C. RIGHT OF ENTRY INFORMATION

(1)(a) Provide the following information for every legal or equitable owner of record, surface and mineral, of the property to be mined on the permit area (i.e. areas affected by surface operations and facilities), indicating whether the ownership is of surface, coal, or noncoal mineral.

Name AMERICAN ENERGY CORP.

Address RD #1, BOX 119

City AVONMORE State PA Zip 15618

Surface X , Coal _____ , Noncoal X

Deed Parcel No. 2-13-41, 2-13-42, 2-13-43, 2-13-63, 2-13-64, 2-5-2, 2-5-44, 2-13-154, 2-13-3 2-13-182

Name CONSOLIDATED LAND CO.

Address BOX 505, 34208 AURORA ROAD

City SOLON State OHIO Zip 44139

Surface _____ , Coal X , Noncoal _____

Deed Parcel No. 2-13-63, 2-5-2, 2-5-44, 2-13-41, 2-13-43, 2-13-42, 2-13-64

Name _____

Address _____

City _____ State _____ Zip _____

Surface _____ , Coal _____ , Noncoal _____

Deed Parcel No. _____

Name _____

Address _____

City _____ State _____ Zip _____

Surface _____ , Coal _____ , Noncoal _____

Deed Parcel No. _____

C.(1)(b) Provide the following information for every legal or equitable owner of the property to be mined covered by the underground workings indicating whether ownership is for the surface or coal. **N/A - SURFACE FACILITIES ONLY**

Name ______________________
Address ______________________
City __________ State __________ Zip __________
Surface __________ , Coal __________
Deed Parcel No. ______________________

Name ______________________
Address ______________________
City __________ State __________ Zip __________
Surface __________ , Coal __________
Deed Parcel No. ______________________

Name ______________________
Address ______________________
City __________ State __________ Zip __________
Surface __________ , Coal __________
Deed Parcel No. ______________________

Name ______________________
Address ______________________
City __________ State __________ Zip __________
Surface __________ , Coal __________
Deed Parcel No. ______________________

Name ______________________
Address ______________________
City __________ State __________ Zip __________
Surface __________ , Coal __________
Deed Parcel No. ______________________

Name ______________________
Address ______________________
City __________ State __________ Zip __________
Surface __________ , Coal __________
Deed Parcel No. ______________________

Name ______________________
Address ______________________
City __________ State __________ Zip __________
Surface __________ , Coal __________
Deed Parcel No. ______________________

C. (2) Provide the following information for the holders of record of any leasehold interest in the coal to be mined or property to be affected by surface operations or facilities, indicating whether the held interest is of surface, coal, or noncoal rights.

Name BENNOC, INC.

Address P.O. BOX 208, 38722 NATIONAL ROAD

City MORRISTOWN State OHIO Zip 43759

Surface X , Coal _____ , Noncoal _____

Name _____

Address _____

City _____ State _____ Zip _____

Surface _____ , Coal _____ , Noncoal _____

Submit and identify additional pages necessary to complete response.

(3) Are there purchasers of record under a real estate contract of the coal to be mined or property to be affected by surface operations and facilities?
_____ Yes, X No. If "yes," submit Attachment 2.

(4) Is any owner, holder, or purchaser listed in items C(1) (a and b), (2), or (3) respectively, a business entity other than a single proprietorship?
X Yes, _____ No. If "yes," submit Attachment 3.

SEE ATTACHMENT 3'S SUBMITTED WITH TRANSFER, & ATTACHED

(5) Is any part of the proposed permit area adjacent to any lands which are not owned by those persons identified in item C(1)(a)? X Yes, _____ No. If "yes," submit Attachment 4.

SEE ATTACHMENT 4

(6) Does the applicant hold lands, interests in lands, options, or pending bids on interests in lands which are contiguous to the property to be mined?
_____ Yes, X No. If "yes," provide a description of the lands.

(7) Is it anticipated that individual mining permits will be sought for any of those lands described in item C(6) above? _____ Yes, _____ No. If "yes," submit as an addendum and identify those lands to include the size, sequence, and timing of future mining permits, utilizing a map pursuant to 1501:13-4-13(J)(29), Ohio Administrative Code.

N/A

11/92

OHIO DEPARTMENT OF NATURAL RESOURCES
DIVISION OF RECLAMATION
ATTACHMENT 3
(IDENTIFICATION OF OTHER BUSINESS ENTITIES)

Applicant's Name BENNOC, INC.

This attachment is to be completed and submitted with the permit application if the response to item C. (4) in Part 1 of the permit application is "yes." A separate attachment is to be submitted for each business entity.

Name of business entity AMERICAN ENERGY CORP.

Statutory agent American Energy Corp.

Street Address RD 1 Box 119

City Avonmore State PA Zip 15618

Person's Name D. ARTHUR HILE Position PRESIDENT/TREASURER

Street Address RD 1 Box 119

City Avonmore State PA Zip 15618

Person's Name MICHAEL O. McKOWN Position SECRETARY

Street Address RD 1 Box 119

City Avonmore State PA Zip 15618

Person's Name CLYDE I. BORRELL Position DIRECTOR

Street Address RD 1 Box 119

City Avonmore State PA Zip 15618

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OHIO DEPARTMENT OF NATURAL RESOURCES
DIVISION OF RECLAMATION
ATTACHMENT 3
(IDENTIFICATION OF OTHER BUSINESS ENTITIES)

Applicant's Name BENNOC, INC.

This attachment is to be completed and submitted with the permit application if the response to item C. (4) in Part 1 of the permit application is "yes." A separate attachment is to be submitted for each business entity.

Name of business entity CONSOLIDATED LAND COMPANY

Statutory agent A.H. STATUTORY SERVICE CORP. #842696

Street Address 925 EUCLID AVENUE, SUITE 1100

City CLEVELAND State OHIO Zip 44115

Person's Name PETER VULJANIC Position PRESIDENT

Street Address BOX 505, 34208 AURORA ROAD

City SOLON State OHIO Zip 44139

Person's Name DOMINIC M. DAMORE Position SECRETARY

Street Address BOX 505, 34208 AURORA ROAD

City SOLON State OHIO Zip 44139

Person's Name PETER VULJANIC Position TREASURER

Street Address BOX 505, 34208 AURORA ROAD

City SOLON State OHIO Zip 44139

Person's Name _____ Position _____

Street Address _____

City _____ State _____ Zip _____

11-92

OHIO DEPARTMENT OF NATURAL RESOURCES
DIVISION OF RECLAMATION
ATTACHMENT 4
(ADJACENT OWNERS)

Applicant's Name BENNOC, INC.

This attachment is to be completed and submitted with the permit application if the response to item C.(5) in Part 1 of the permit application is "yes".

Name of owner WYOMING POCAHONTAS LAND COMPANY

Address 39 ROBIN PLACE

City BECKLEY State WV Zip 25810

X Surface, X Mineral

Name of owner CLARENCE PERKINS

Address 56381 PERKINS RIDGE ROAD

City BETHESDA State OH Zip 43719

X Surface, X Mineral

Name of owner S. & S. SCHAFER

Address 45280 BILES HILL ROAD

City ALLEDONIA State OH Zip 43902

X Surface, X Mineral

Name of owner O. R. & N. PERKINS

Address 54060 PUGH RIDGE ROAD

City ALLEDONIA State OH Zip 43902

X Surface, X Mineral

C. (8) (a) Provide either of the following to allow for coal mining operations on the permit area.

(i) A copy of the documents, or
(ii) An affidavit wherein the documents are described.

AFFIDAVIT

State of Ohio, BELMONT County, ss. LARRY CONWAY being first duly sworn, says that the following described documents convey to the applicant the legal right explained below and is a subject of litigation as shown below.

Type of document LEASE

Execution Date FEBRUARY 5, 1994

Expiration Date UNTIL SUCH TIME ALL MINING ACTIVITIES ARE COMPLETE

Parties: From AMERICAN ENERGY CORP. To BENNOC, INC.

Description of land: No. Acres 487.433

County BELMONT Township WAYNE

Sections 3 & 4 Lots

Parcel # 2-13-41, 2-13-42, 2-13-43, 2-13-63, 2-13-64, 2-5-2, 2-5-44

Explanation of legal rights claimed RIGHT TO ENTER FOR THE PURPOSE OF MINING ACTIVITIES

Pending litigation _____ Yes, X No.

Larry Conway
Signature of Affiant

12-1-00
Date

PRESIDENT
Position

Sworn to before me and subscribed in my presence this 1st day of December, 2000.

Ellen M. Roper
Notary Public

Notary Public
State of Ohio
My Commission Expires 2001

C.(8)(b) Provide either of the following to allow for coal mining operations within the underground workings:
N/A - SURFACE FACILITIES ONLY

(i) A copy of the documents, or
(ii) An affidavit wherein the documents are described. For all documents or affidavits provided for the underground workings, the specific parcels are to be identified on the application map.

AFFIDAVIT

State of Ohio, _____ County, ss. _____ being first duly sworn, says that the following described documents convey to the applicant the legal right explained below and is a subject of litigation as shown below.

Type of document _____

Execution Date _____

Expiration Date _____

Parties: From _____ TO _____

Description of land: No. Acres _____

County _____ Township _____

Sections _____
_____ Lots _____

Parcel # _____
_____
_____

Explanation of legal rights claimed _____
_____

Pending litigation _____ Yes, _____ No.

_____ _____
Signature of Affiant Date

_____
Position

Sworn to before me and subscribed in my presence this

_____ day of _____ , 20 _____.

_____
Notary Public

C. (9)(a) List below the following information for each surface owner of land within the proposed permit area.

OWNER NAME	COUNTY	TOWNSHIP	SEC./LOT	T- ,R-
AMERICAN ENERGY CORP.	BELMONT	WAYNE	3, 4	6 5
	BELMONT	WASHINGTON	26	5 4

C. (9)(b) List the following information for each surface owner of land within the proposed underground workings. **N/A - SURFACE FACILITIES ONLY**

OWNER NAME	COUNTY	TOWNSHIP	SEC./LOT	T-	R-

AEC 08407

D. AREAS WHERE MINING IS PROHIBITED OR LIMITED **Permit Area**

(1) Does the permit area included in this permit application include any area dedicated as a nature preserve pursuant to Chapter 1517., Ohio Revised Code? ____ Yes, __X__ No. If "yes," submit proof of valid existing right.

(2) Does the permit area included in this permit application include any area within one-thousand feet of the waterlines of any wild, scenic, or recreational river dedicated pursuant to Chapter 1501., Ohio Revised Code? _____ Yes, __X__ No. If "yes," submit proof of valid existing right.

(3) Does the permit area included in this permit application include any area within the boundaries of the following systems: national park, national wildlife refuge, national trails, national wilderness preservation, national recreational areas, or wild and scenic rivers or river corridors, including those rivers under study? _____ Yes, __X__ No. If "yes," submit proof of valid existing right.

(4) Does the permit area included in this permit application include any federal lands within the boundaries of any national forest? _____ Yes, __X__ No. If "yes," submit approval of U.S. Secretary of Interior or proof of valid existing right.

(5) Will operations in the permit area conducted under this permit adversely affect any publicly owned park or places listed on the National Register of Historic Places? _____ Yes, __X__ No. If "yes," submit joint approval from the chief and the federal, state, or local agency with jurisdiction over the park or places or proof of valid existing right. **ALSO SEE LETTER FROM THE COMMUNITY IMPROVEMENT CORPORATION OF BELMONT COUNTY IN PERMIT D-0425.**

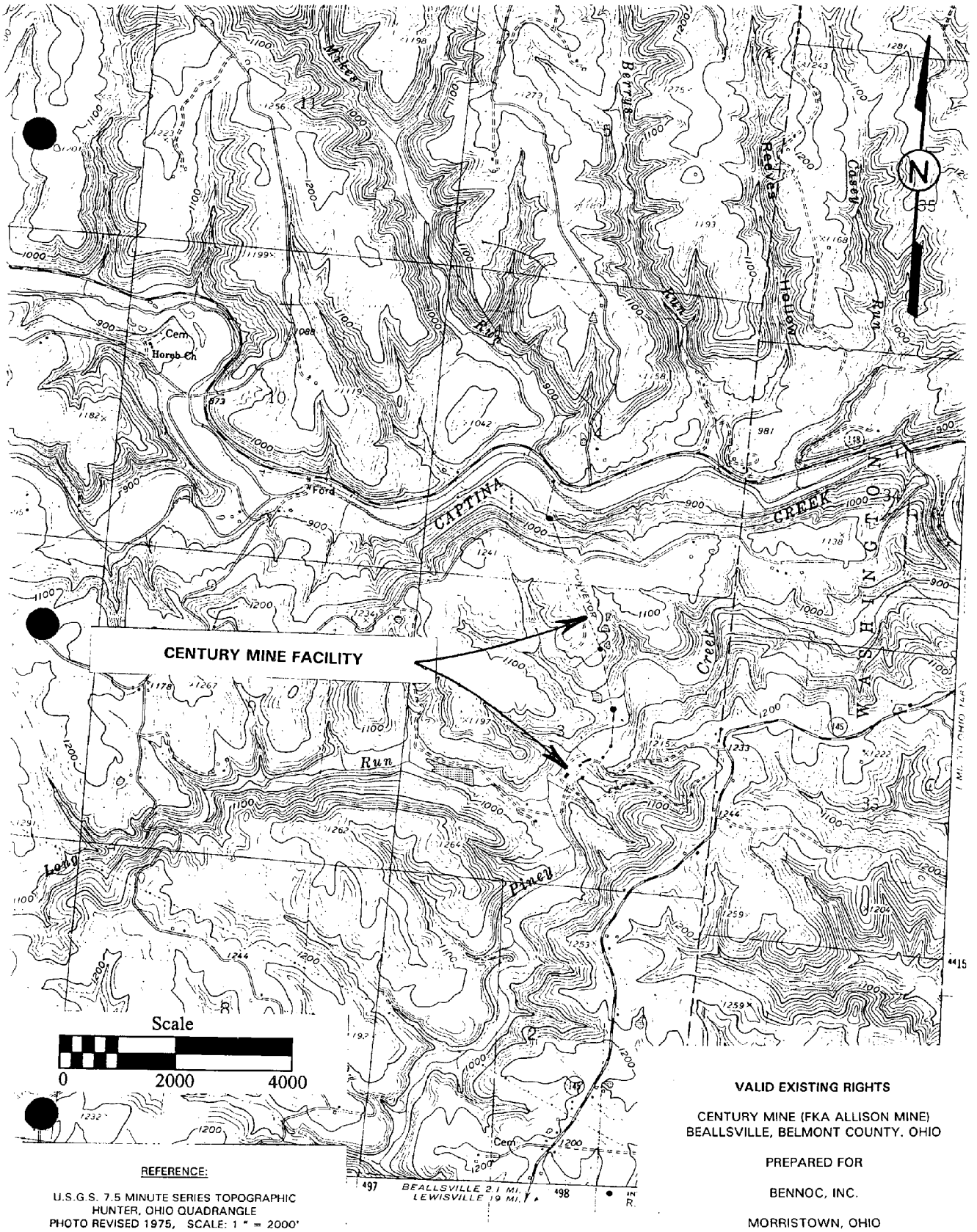
(6) Will operations in the permit area conducted under this permit affect land within one hundred feet of the outside right-of-way of a public highway? __X__ Yes, _____ No. If "yes," list the highway(s) in the space below and submit Attachment 9 or proof of valid existing right.

SEE ADDENDA TO PART 1, PAGE 13, ITEM D(6)

ADDENDUM TO PART 1, PAGE 13, ITEM D(6)
VALID EXISTING RIGHTS
BENNOC, INC,

Surface facilities for the underground mining of coal at Bennoc, Inc.'s Century Mine (formerly known as the Allison Mine) are within 100 feet of the outside right-of-way of public highways. Wayne Township Road 88 provides access to the mine office and associated buildings, slope entry, and raw coal silo from State Route 145 (east of the site). Wayne Township Road 81 provides access to the mine office and associated buildings, slope entry, and raw coal silo from Wayne Township Road 87 (south of the site). Wayne Township Road 87 also provides access from the mine office (via Wayne Township Road 81) to the freshwater pond (west of the site). Wayne Township Road 87 continues north from the freshwater pond and intersects Wayne Township Road 74 which provides access to the clean coal conveyor system from the north. State Route 148 runs past the northern portion of the site.

Bennoc, Inc. claims a valid existing right based on deeds for these areas executed in 1966 and 1967 and the start of operations in 1967. In addition, a copy of the USGS topographic map for the Hunter, Ohio quadrangle dated 1975 (photorevised) is enclosed to indicate the presence of mine-related facilities.



REFERENCE:

U.S.G.S. 7.5 MINUTE SERIES TOPOGRAPHIC
HUNTER, OHIO QUADRANGLE
PHOTO REVISED 1975, SCALE: 1 " = 2000'

VALID EXISTING RIGHTS

CENTURY MINE (FKA ALLISON MINE)
BEALLSVILLE, BELMONT COUNTY, OHIO

PREPARED FOR

BENNOC, INC.

MORRISTOWN, OHIO

AEC 08410

D. (7) Will operations in the permit area conducted under this permit affect land within three hundred feet of any occupied dwelling? _____ Yes, __X__ No. If "yes," list the name of the owner(s) in the space below and submit Attachment 10 or proof of valid existing right.

(8) Will operations in the permit area conducted under this permit, affect land within three hundred feet of any public building, school, church, community or institutional building, or public park? _____ Yes, __X__ No. If "yes," submit proof of valid existing right.

(9) Will operations in the permit area conducted under this permit, affect land within one hundred feet of a cemetery? _____ Yes, __X__ No. If "yes," submit proof of valid existing right or appropriate authorization to relocate the cemetery.

(10) Will operations conducted during this permit result in the extension of any part of the pit within fifty feet of horizontal distance to any adjacent land or water in which the applicant does not own either the surface or mineral rights? _____ Yes, _____ No. If "yes," list below the names of the adjacent owners and submit Attachment 11. **N/A**

E. Areas Where Mining is Prohibited or Limited-**Permit And Shadow Area**

Are there areas within the proposed permit area, shadow area, or adjacent areas designated unsuitable for coal mining operations under rule 1501:13-3-07 of the Administrative Code or under study for designation in an administrative proceeding under this rule? _____ Yes, __X__ No.

(1) If "yes" to the item above, did the applicant make substantial legal and financial commitments in the proposed areas prior to January 4, 1977? _____ Yes, _____ No.

(2) If "yes" to item (1) above, submit as an addendum to the permit application information supporting the assertions that the commitments were made prior to January 4, 1977.

PROOF OF PUBLICATION

The State of Ohio
County of Belmont, ss:

The undersigned, being sworn, says that he or she is an employee of Eastern Ohio Newspapers, Inc., A Corporation, publisher of the Times Leader a newspaper published in Martins Ferry, Belmont County, Ohio, each day of the week except Saturday and of general circulation in said city and county; that it is a newspaper meeting the requirements of sections 7.12 and 5721.01 Ohio Revised Code as amended effective September 24, 1957; that affiant has custody of the records and files of said newspaper; and that the advertisement of which the annexed is a true copy, was published in said newspaper on each of the days in the month and year stated, as follows:

Feb. 2, 9, 16,

23 2001

Audrey Blanco

Subscribed by Affiant and sworn to before me, this 23rd day of Feb, A.D. 2001.

Rebecca L Anderson
Notary Public

REBECCA L. ANDERSON
Notary Public, State of Ohio
My Commission Expires Nov. 25, 2001

Printer's Fee $ 245.00

Notary's Fee $_____

The Times Leader
Martins Ferry, Ohio

PUBLIC NOTICE

Pursuant to Section 1501:13-5-01 of the Ohio Administrative Code, notice is hereby given that Bennoc, Inc., P.O. Box 208, Morristown, Ohio 43759, has submitted an Application to Revise Mining and Reclamation Permit D-0425, numbered R-0425-5 to the Ohio Department of Natural Resources, Division of Mineral Resources Management. The proposed coal mining and reclamation operations will be at the Century Mine (FKA the Allison Mine), located in Belmont County, Wayne Township, Sections 3 and 4, and Belmont County, Washington Township, Section 26, Belmont County, on the property of American Energy Corp. The proposed permit encompasses 45.8 acres and is located on the Hunter, Armstrongs Mills, and Cameron Ohio 71/2 U.S.G.S. quadrangle maps, approximately 3.2 miles north of Beallsville, Ohio. This Application to Revise is being submitted to update the reclamation plan and to facilitate reactivation of the underground mine at the existing approved Permit D-0425 surface permit site.

The Application to Revise a coal mining and reclamation permit is on file at the Belmont County Courthouse, Recorders Office, Main Street, St. Clairsville, Ohio, 43950 for public viewing. Written comments or requests for informal conference may be sent to the Chief, Department of Natural Resources, Division of Mineral Resources Management, 1855 Fountain Square Court, Columbus, Ohio 43224, within thirty (30) days of the last date of publication of this notice.

TL - ADV - 4 FRI., FEB. 2,9,16,23

F. PERMIT TERM AND EXTENT-**Permit and Underground Workings**

(1) Anticipated/actual date for:

(a) Starting mining operations MAY 1, 2001
(b) Terminating mining operations MAY 1, 2006

(2) Does the applicant propose a permit term in excess of five (5) years? _____ Yes, __X__ No. If "yes," submit an addendum with the information required by 1501:13-4-03 (E) (3), Ohio Administrative Code.

(3) Indicate the following acreage figures:

(a) Total Acres 45.8 (Permit Area)
(b) Total Acres N/A (Underground Workings)

(4) Horizontal extent of underground workings over life of permit in acres:

(a) Full Coal Recovery N/A (SURFACE PERMIT AREA)
(b) Room and Pillar N/A (SURFACE PERMIT AREA)

G. PUBLIC NOTICE-**Permit and Shadow Area**

(1) In the space below, provide the name and address of the public office where a complete copy of this permit application is to be filed.

SEE ADDENDUM TO PAGE 15, ITEM G(2)

(2) In the space below, list the name and address of the newspaper and submit an addendum providing the text of the advertisement that is to be published in a newspaper of general circulation in the locality of the proposed operation. Note: the advertisement is to provide the information required by paragraph (A) of rule 1501:13-5-01 of the Administrative Code.

THE TIMES LEADER
200 SOUTH 4TH STREET
MARTINS FERRY, OHIO 43935

PART 2 ENVIRONMENTAL RESOURCES INFORMATION

A. CULTURAL, HISTORIC, AND ARCHEOLOGICAL INFORMATION-**Permit and Planned Subsidence Area**

(1) Are there any cultural or historic resources or structures listed or eligible for listing on the National Register of Historic Places within the proposed permit or planned subsidence area?
_____ Yes, __X__ No. If "yes," submit an addendum describing the resources and structures including the location and submit Attachment 27 or 27A as appropriate.

(2) Are there any known archeological sites within the proposed permit or planned subsidence area?
_____ Yes, __X__ No. If "yes," submit an addendum describing the site including the location and submit Attachment 27 or 27A as appropriate.

(3) If applicable, based upon the review of the proposed planned subsidence areas and the completed Attachment 27A for the initial six months of projected mining, have any properties listed or eligible for listing on the National Register of Historic Places been identified? _____ Yes, _____ No. If "yes," submit an addendum listing each property identified.
N/A

(4) Submit an addendum indicating the method to be used to identify historic properties on planned subsidence areas as mining progresses.
N/A

B. GEOLOGY DESCRIPTION-**Permit and Shadow Area**

(1) Submit an addendum describing the geology within the proposed permit area and shadow area down to and including the first stratum below the lowest coal seam to be mined or any aquifer below the lowest coal seam to be mined which may be adversely affected by mining. The description shall also include information on the areal and structural geology of the permit and shadow area and any other geologic parameters which may influence the probable hydrologic consequences and protection of the hydrologic balance from material damage outside of the permit area.

SEE ORIGINAL PERMIT D-0425 and PA25 ADDENDUM

(2) Submit an addendum describing how the areal and structural qeology may affect the occurrence, availability, movement, quantity, and quality of potentially affected surface and ground waters per paragraph (C) of rule 1501:13-4-13 of the Administrative Code.

SEE ORIGINAL PERMIT D-0425 and PA25 ADDENDUM

OHIO DEPARTMENT OF NATURAL RESOURCES
DIVISION OF RECLAMATION

SURFACE MINING OPERATIONS
ATTACHMENT 27
(HISTORIC AND PREHISTORIC PROPERTIES)

1. Applicant's Name: BENNOC, INC.

Address P.O. BOX 208

City MORRISTOWN State OHIO Zip 43759

2. Contact Person JACK A. HAMILTON Phone 740-968-4947
P.O. BOX 471, 342 HIGH STREET, FLUSHING, OHIO 43977

3. Location and Acreage Information

County BELMONT Township WAYNE

Section(s) 3, 4 T- 6 R- 5

USGS Quadrangle HUNTER Acreage 45.8

4. Application Map Attached: (area described in 3. above is to be outlined on the map)

5. Previous Disturbance:

X present; _____ absent within permit area only
(Note: previous disturbance is any type of natural or human made disturbance to the topsoil and subsoil in the permit area prior to permit application. Examples include but are not limited to, slides, severe erosion, previous mining activities, clear cut logging, recreational activities, etc., but not agricultural plowing and disking.)

If previous disturbance is present, list below and clearly delineate the extent of each type of disturbance on the application map to be sent to the SHPO by the Division. Attach addendum, if necessary.

Type of Disturbance	Date Occurred	Percent of Permit Area	Map Symbol
SURFACE MINING	1990'S	28%	
SURFACE FACILITIES (D-0425)	1970'S	72%	

AEC 08415

6. Current Land Use: (describe land use and percent of land in that use)

Agricultural: 0%

Residential: 0%

Mining: 0%

Pasture: 0%

Secondary Forest Growth:

Has area been clear cut logged? Yes _____, No __X__.
If "yes", indicate approximate date(s) of logging _____.

Other: UNDEVELOPED 100%

7. Historic and Prehistoric Structures:

Definitions

A historic or prehistoric structure is a work made up of interdependent and interrelated parts in a definite pattern of organization. Constructed by humans, and 50 years or older, it is usually an engineering project.

Types

Historic structures include, but are not limited to dwellings, buildings, barns, farmstead outbuildings, bridges, culverts, churches, schools, halls, iron furnaces (and associated buildings), canals, forts, abandoned coal mine buildings, mine entrances, tipples and related structures, etc.

Prehistoric structures include, but are not limited to, earthworks, mounds, rockshelters, etc.

List all known historic and prehistoric structures below and locate each one on the application map to be sent to the SHPO including corresponding labeled black and white, front and rear photographs of each structure. Attach addendum, if necessary.

Structure Type	Construction Date	Map Reference	Photo # Front	Photo # Rear
NONE				

8. Previous Historic and/or Archeological Surveys: (describe any surveys known to applicant on the permit or adjacent areas)

   Permit area: NONE

   Adjacent areas: NONE

9. SHPO please send this form to:

   Dr. Jeffrey C. Reichwein
   Division of Reclamation
   Fountain Square, B-3
   Columbus, Ohio 43224

FOR USE BY THE STATE HISTORIC PRESERVATION OFFICE ONLY

A. (check the appropriate space)

   _____ This is a recommendation for an archeological survey of the proposed permit area based on the following reasons (attach addendum, if necessary):

A SHPO review of the area shown on the application map has provided a listing below of all known historic and prehistoric properties listed and eligible for listing on the " National Register of Historic Places" and known historic and prehistoric sites on the permit and adjacent areas (in a 1.5 mile radius). The listing includes, when appropriate, those historic and prehistoric structures identified by the applicant in items 7. and 8. above.

Listed and Eligible National Register Sites

Site Name (#)	Type	Proposed Area	Adjacent Area

Known Historic and Prehistoric Sites

Site Name (#)	Type	Proposed Area	Adjacent Area

B. _____A SHPO review of the area shown on the application map and information contained in this attachment finds that the proposed mining does not have a reasonable probability of affecting any properties listed or eligible for listing on the "National Register of Historic Places." Therefore, no further coordination will be necessary with this office unless the scope of the proposed application area changes.

State Historic Preservation Officer _____

SHPO # _____

Date _____

B. (3) For those areas to be affected by underground mining surface operations where removal of the overburden down to the level of the coal seam will occur, submit Attachment 12(s) as required by paragraphs (C)(2)(a) and (c) of rule 1501:13-4-13 of the Administrative Code. **N/A**

(4) For those areas within the shadow area where the stratum above the coal seam to be mined will not be removed, submit Attachment 13(s) as required by paragraphs (C)(2)(d) and (e) of rule 1501:13-4-13 of the Administrative Code. **N/A**

C. GROUND WATER INFORMATION-**Permit, Shadow Area, and Adjacent Area**

(1) Submit an Attachment 14B which describes the ground water hydrology of the proposed permit area, shadow area, and adjacent area. The Attachment 14B is to include information on each waterbearing stratum or zone as required by paragraph (D) of rule 1501:13-4-13 of the Administrative Code, including the first waterbearing stratum below the coal to be mined.
SEE ORIGINAL PERMIT D-0425, PA25 ADDENDUM, and ATTACHMENT 14B

(2) Are there any wells on the proposed permit area, shadow area, and adjacent areas? __X__ Yes, _____ No. If "yes," submit Attachment 14C.
SEE ORIGINAL PERMIT D-0425, PA25 ADDENDUM, AND ATTACHMENT 14C

(3) Are there any springs on the proposed permit area, or developed springs on the shadow area and adjacent area? __X__ Yes, _____ No. If "yes," submit Attachment 14C.
SEE ORIGINAL PERMIT D-0425, PA25 ADDENDUM, AND ATTACHMENT 14C

(4) Are there any public water supply sources on the proposed permit area, shadow area, and adjacent area? _____ Yes, __X__ No. If "yes," submit Attachment 14A, Attachment 14D, and show location on the hydrology map.

(5) Submit Attachment 14A for representative wells and developed springs as required by paragraph (D)(4) of rule 1501:13-4-13. Based on this data identify the seasonal variations of ground water quality and quantity.

SEE ORIGINAL PERMIT D-0425, AND ATTACHMENT 14A'S

D. SURFACE WATER INFORMATION-**Permit, Shadow Area, and Adjacent Area**

(1) List the name of the watershed that will receive water discharges from the proposed permit, shadow, and adjacent areas as listed in the "Gazetteer of Ohio Streams" published by the Ohio Department of Natural Resources.

CAPTINA CREEK

(2) Are there any perennial or intermittent streams or other surface water bodies on the proposed permit, shadow area, and adjacent area? __X__ Yes, _____ No. If "yes," submit Attachment 14A and Attachment 14D and show location on application and hydrology map.

SEE ORIGINAL PERMIT D-0425, PA25 ADDENDUM, & ATTACHMENT 14D

9-88

OHIO DEPARTMENT OF NATURAL RESOURCES
DIVISION OF RECLAMATION

ATTACHMENT 14B
(WELL/SPRING INVENTORY)

Applicant's Name BENNOC, INC.

Aquifer/Zone Identification	Aquifer/Zone Lithology	Aquifer/Zone Thickness Well/Spring	Aquifer/Zone Elev. (msl)	Aquifer/Zone Horizontal Extent	Aquifer/Zone Known Uses	Approx. Rate of Discharge/Usage of Aquifer/Zone (gpm or cfs)
A	SANDSTONE, SHALE	109'	1239' TO 1130'	UPPER RIDGE OUTCROP TO OUTCROP	NONE	NOT IN USE
B	SANDSTONE, SHALE, #12 COAL	37'	1097' TO 1060'	MID-RIDGE OUTCROP TO OUTCROP	NONE	NONE, <1 TO 83 GPM
C	SHALE, #11 COAL	45'	995 TO 950	LOWER RIDGE OUTCROP TO OUTCROP	NONE	NONE, <1 TO 5.8 GPM
D	LIMESTONE, SANDSTONE, SHALE	80'	847 TO 768	REGIONAL	NONE	NONE 2.7 GPM

AEC 08420

OHIO DEPARTMENT OF NATURAL RESOURCES
DIVISION OF RECLAMATION

ATTACHMENT 14A
(HYDROLOGIC MEASUREMENTS AND ANALYSES)

APPLICANT BENNOC, INC.

	Identification No. of Sampling Station from Hydrology Map	D-3 (D-1159)	D-3 (D-1159)	D-3	D-4 (D-1159)	D-4 (D-1159)	D-5 (D-1159)
2	Identification Number	93-12-1117	94-03-464	297407	94-12-1118	94-03-463	93-12-1119
3	High (H)/Low (L) Designation (if applicable)	L	H	SUPPLE MENTAL	L	H	L
4	Surface Elevation for Sampling Station (msl)	935	935	935	940	940	940
5	Depth of Well Below Land Surface (feet)	--	--	--	--	--	--
6	Static Water Level of Well Below Land Surface (feet)	--	--	--	--	--	--
7	Flow for Spring and Stream (gpm or cfs)	3.4 CFS	12.3 CFS	35 CFS	.05 CFS	.13 CFS	.03 CFS
8	Date Above Measurements Made	12-29-93	3-9-94	4-9-99	12-29-93	3-9-94	12-29-93
9	Aquifer/Zone Identification For Well/Spring	--	--	--	--	--	--
10	pH (Standard Units)	7.93	7.90	7.65	7.82	7.88	7.83
11	Total Acidity (mg/l CaCO3)	6.60	8.40	8.00	8.00	7.80	7.60
12	Total Alkalinity (mg/l CaCO3)	113.60	97.60	60.00	83.00	86.60	134.80
13	Specific Conductivity (umhos/cm at 25° C)	273.0	200.0	179.00	222	170	333
14	Total Dissolved Solids (mg/l)	---	---	---	---	---	---
15	Total Manganese (mg/l)	0.02	0.04	0.017	<0.02	<0.02	<0.02
16	Total Sulfates (mg/l)	33.0	30.0	37.87	39.0	34.0	47.0
17	Total Iron (mg/l)	0.05	0.18	1.33	<0.04	0.21	<0.04
18	Total Suspended Solids (mg/l)	4.0	6.00	30.00	7.0	4.0	6.0
19	Total Hardness (mg/l as CaCO3)	143.0	124.0	70.20	121.0	124.0	173.0
20	Nitrates	---	---	---	---	---	---
21	Date Sampled for Analysis	12-29-93	3-9-94	4-9-99	12-29-93	3-9-94	12-29-93
22	Date Last Precipitation Event Occurred	12-25-93	3-9-94	4-9-99	12-25-93	3-9-94	12-25-93

Laboratory Name Industrial Lab Analysis, Inc. / Ream & Haager Laboratories , Inc.
Address 2240 Williamsburg Drive / 1226 Kaderly St. NW City Glen Dale / New Philadelphia
State West Virginia / Ohio Zip 26083 / 44663

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NOTE: For each sample provide data for either item 13 or 14.

OHIO DEPARTMENT OF NATURAL RESOURCES
DIVISION OF RECLAMATION

ATTACHMENT 14A
(HYDROLOGIC MEASUREMENTS AND ANALYSES)

APPLICANT BENNOC, INC.

	Identification No. of Sampling Station from Hydrology Map	D-5 (D-1159)	D-6 (D-1159)	D-6 (D-1159)	D-6	D-7 (D-1159)	D-7 (D-1159)
2	Identification Number	94-03-466	93-12-1120	94-03-467	297426	93-12-1121	94-03-468
3	High (H)/Low (L) Designation (if applicable)	H	L	H	SUPPLE MENTAL	L	H
4	Surface Elevation for Sampling Station (msl)	940	940	940	940	938	938
5	Depth of Well Below Land Surface (feet)	--	--	--	--	--	--
6	Static Water Level of Well Below Land Surface (feet)	--	--	--	--	--	--
7	Flow for Spring and Stream (gpm or cfs)	.12 CFS	.1 CFS	.26 CFS	0.2 CFS	.07 CFS	.26 CFS
8	Date Above Measurements Made	3-9-94	12-29-93	3-9-94	4-9-99	12-29-93	3-9-94
9	Aquifer/Zone Identification For Well/Spring	--	--	--	--	--	--
10	pH (Standard Units)	7.92	7.97	8.16	7.56	7.98	8.09
11	Total Acidity (mg/l CaCO3)	9.20	6.40	4.40	12.00	6.60	3.60
12	Total Alkalinity (mg/l CaCO3)	119.60	199.60	198.00	232.00	190.00	172.00
13	Specific Conductivity (umhos/cm at 25° C)	290.0	589.0	392.00	433.00	621	519
14	Total Dissolved Solids (mg/l)	---	---	---	---	---	---
15	Total Manganese (mg/l)	<0.02	<0.02	<0.02	<0.008	<0.02	0.10
16	Total Sulfates (mg/l)	34.0	120.0	78.0	98.78	104.0	103.0
17	Total Iron (mg/l)	0.12	0.04	0.13	0.099	0.07	0.21
18	Total Suspended Solids (mg/l)	2.0	3.00	5.0	10.00	2.0	3.0
19	Total Hardness (mg/l as CaCO3)	120.0	256.0	168.0	253.21	301.0	249.0
20	Nitrates	---	---	---	---	---	---
21	Date Sampled for Analysis	3-9-94	12-29-93	3-9-94	4-9-99	12-29-93	3-9-94
22	Date Last Precipitation Event Occurred	3-9-94	12-25-93	3-9-94	4-9-99	12-25-93	3-9-94

Laboratory Name Industrial Lab Analysis, Inc. / Ream & Haager Laboratories, Inc.
Address 2240 Williamsburg Drive / 1226 Kaderly St. NW City Glen Dale / New Philadelphia
State West Virginia / Ohio Zip 26083 / 44663

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OHIO DEPARTMENT OF NATURAL RESOURCES
DIVISION OF RECLAMATION

ATTACHMENT 14A
(HYDROLOGIC MEASUREMENTS AND ANALYSES)

APPLICANT BENNOC, INC.

1	Identification No. of Sampling Station from Hydrology Map	D-8 (D-1159)	D-8 (D-1159)	D-8	D-9 (D-1159)	D-9 (D-1159)	D-9
2	Identification Number	93-12-1122	94-03-469	279427	93-12-1123	94-03-470	279427
3	High (H)/Low (L) Designation (if applicable)	L	H	SUPPLE MENTAL	L	H	SUPPLE MENTAL
4	Surface Elevation for Sampling Station (msl)	940	940	940	940	940	940
5	Depth of Well Below Land Surface (feet)	--	--	--	--	--	--
6	Static Water Level of Well Below Land Surface (feet)	--	--	--	--	--	--
7	Flow for Spring and Stream (gpm or cfs)	.25 CFS	1.08 CFS	1.19 CFS	.04 CFS	.19 CFS	5 GPM
8	Date Above Measurements Made	12-29-93	3-9-94	4-9-99	12-29-93	3-9-94	4-9-99
9	Aquifer/Zone Identification For Well/Spring	--	--	--	--	--	--
10	pH (Standard Units)	7.50	8.04	7.54	7.96	8.21	7.33
11	Total Acidity (mg/l CaCO3)	14.00	4.60	6.00	9.60	3.20	12.00
12	Total Alkalinity (mg/l CaCO3)	171.60	124.20	70.00	176.40	121.40	122.00
13	Specific Conductivity (umhos/cm at 25° C)	963.0	700.0	503.00	492.00	320	423
14	Total Dissolved Solids (mg/l)	---	---	---	---	---	---
15	Total Manganese (mg/l)	0.73	0.36	0.295	0.05	<0.02	<0.008
16	Total Sulfates (mg/l)	404.0	270.0	171.23	97.0	77.00	100.43
17	Total Iron (mg/l)	0.73	0.83	0.148	0.06	0.08	0.221
18	Total Suspended Solids (mg/l)	5.0	9.00	7.0	2.0	7.0	21.0
19	Total Hardness (mg/l as CaCO3)	462.0	259.0	229.99	225.0	136.0	173.64
20	Nitrates	---	---	---	---	---	---
21	Date Sampled for Analysis	12-29-93	3-9-94	4-9-99	12-29-93	3-9-94	4-9-99
22	Date Last Precipitation Event Occurred	12-25-93	3-9-94	4-9-99	12-25-93	3-9-94	4-7-99

Laboratory Name Industrial Lab Analysis, Inc. / Ream & Haager Laboratories, Inc.
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OHIO DEPARTMENT OF NATURAL RESOURCES
DIVISION OF RECLAMATION

ATTACHMENT 14A
(HYDROLOGIC MEASUREMENTS AND ANALYSES)

APPLICANT BENNOC, INC.

1	Identification No. of Sampling Station from Hydrology Map	U-1 (D-1159)	U-1 (D-1159)	U-3 (D-1159)	U-3 (D-1159)	U-10 (D-1159)	U-10 (D-1159)
2	Identification Number	93-12-1111	94-03-472	93-12-1113	94-03-474	93-12-1114	94-03-481
3	High (H)/Low (L) Designation (if applicable)	L	H	L	H	L	H
4	Surface Elevation for Sampling Station (msl)	845	845	960	960	942	942
5	Depth of Well Below Land Surface (feet)	--	--	--	--	--	--
6	Static Water Level of Well Below Land Surface (feet)	--	--	--	--	--	--
7	Flow for Spring and Stream (gpm or cfs)	100.8 CFS	321.7 CFS	2.1 CFS	9.6 CFS	7.4 CFS	26.7 CFS
8	Date Above Measurements Made	12-29-93	3-9-94	12-29-93	3-9-94	12-29-93	3-9-94
9	Aquifer/Zone Identification For Well/Spring	--	--	--	--	--	--
10	pH (Standard Units)	7.93	8.16	7.80	8.04	7.84	8.21
11	Total Acidity (mg/l CaCO3)	6.80	2.40	6.80	4.40	8.00	5.20
12	Total Alkalinity (mg/l CaCO3)	146.80	119.60	115.40	91.40	79.60	61.00
13	Specific Conductivity (umhos/cm at 25° C)	385.0	290.0	253.00	190.00	202	160
14	Total Dissolved Solids (mg/l)	---	---	---	---	---	---
15	Total Manganese (mg/l)	<0.02	0.03	<0.02	<0.02	<0.02	<0.02
16	Total Sulfates (mg/l)	42.00	54.0	34.0	28.0	22.00	19.0
17	Total Iron (mg/l)	<0.04	0.14	<0.04	0.10	<0.04	0.12
18	Total Suspended Solids (mg/l)	3.0	2.00	4.0	3.0	3.0	3.0
19	Total Hardness (mg/l as CaCO3)	178.0	120.0	140.00	82.0	116.0	72.0
20	Nitrates	---	---	---	---	---	---
21	Date Sampled for Analysis	12-29-93	3-9-94	12-29-93	3-9-94	12-29-93	3-9-94
22	Date Last Precipitation Event Occurred	12-25-93	3-9-94	12-25-93	3-9-94	12-25-93	3-9-94

Laboratory Name Industrial Lab Analysis, Inc.
Address 2240 Williamsburg Drive City Glen Dale
State West Virginia Zip 26083

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NOTE: For each sample provide data for either item 13 or 14.

OHIO DEPARTMENT OF NATURAL RESOURCES
DIVISION OF RECLAMATION

ATTACHMENT 14A
(HYDROLOGIC MEASUREMENTS AND ANALYSES)

APPLICANT BENNOC, INC.

						(D-1159)	(D-1159)
1	Identification No. of Sampling Station from Hydrology Map	D-11 (D-1159)	SZ-1 (D-1159)	SZ-2 (D-1159)		WI-1 (POND 008)	WI-1 (POND 008)
2	Identification Number	258745	258748	748749		94-03-489	90-08-565
3	High (H)/Low (L) Designation (if applicable)	SUPPLEMENTAL					
4	Surface Elevation for Sampling Station (msl)	1005	930	930		930	930
5	Depth of Well Below Land Surface (feet)	--	--	--		--	--
6	Static Water Level of Well Below Land Surface (feet)	--	--	--		--	--
7	Flow for Spring and Stream (gpm or cfs)	<1 GPM	<1 GPM	<1 GPM		--	--
8	Date Above Measurements Made	7-17-97	7-17-97	7-17-97		2-09-94	8-08-90
9	Aquifer/Zone Identification For Well/Spring	--	--	--		--	--
10	pH (Standard Units)	7.59	6.38	7.49		7.43	7.52
11	Total Acidity (mg/l CaCO3)	10.00	32.00	6.00		DATA UNAVAILABLE	
12	Total Alkalinity (mg/l CaCO3)	196.00	156.00	160.00		DATA UNAVAILABLE	
13	Specific Conductivity (umhos/cm at 25° C)	1270	1690	1400		955	798
14	Total Dissolved Solids (mg/l)	---	---	---		---	---
15	Total Manganese (mg/l)	0.01	1.39	0.08		0.75	0.25
16	Total Sulfates (mg/l)	158.88	715.36	395.14		DATA UNAVAILABLE	
17	Total Iron (mg/l)	<0.07	0.14	63.70		0.24	0.12
18	Total Suspended Solids (mg/l)	10.00	2.00	1.0		4.0	11.0
19	Total Hardness (mg/l as CaCO3)	454.00	772.0	336.00		DATA UNAVAILABLE	
20	Nitrates	---	---	---		---	---
21	Date Sampled for Analysis	7-17-97	7-17-97	7-17-97		2-9-94	8-8-90
22	Date Last Precipitation Event Occurred	7-7-97	7-7-97	7-7-97		2-9-94	8-6-90

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OHIO DEPARTMENT OF NATURAL RESOURCES
DIVISION OF RECLAMATION

ATTACHMENT 14A
(HYDROLOGIC MEASUREMENTS AND ANALYSES)

APPLICANT BENNOC, INC.

		(D-1159)	(D-1159)				
1	Identification No. of Sampling Station from Hydrology Map	WI-4 (POND 002)	WI-4 (POND 002)				
2	Identification Number	90-08-564	90-12-1213				
3	High (H)/Low (L) Designation (if applicable)	SUPPLEMENTAL					
4	Surface Elevation for Sampling Station (msl)	1000	1000				
5	Depth of Well Below Land Surface (feet)	--	--				
6	Static Water Level of Well Below Land Surface (feet)	--	--				
7	Flow for Spring and Stream (gpm or cfs)	--	--				
8	Date Above Measurements Made	8-8-90	12-26-90				
9	Aquifer/Zone Identification For Well/Spring	--	--				
10	pH (Standard Units)	7.88	8.07				
	Total Acidity (mg/l CaCO3)	DATA UNAVAILABLE					
12	Total Alkalinity (mg/l CaCO3)	DATA UNAVAILABLE					
13	Specific Conductivity (umhos/cm at 25° C)	420	546				
14	Total Dissolved Solids (mg/l)	---	---				
15	Total Manganese (mg/l)	0.02	0.05				
16	Total Sulfates (mg/l)	DATA UNAVAILABLE					
17	Total Iron (mg/l)	0.12	0.08				
18	Total Suspended Solids (mg/l)	11.00	2.00				
19	Total Hardness (mg/l as CaCO3)	DATA UNAVAILABLE					
20	Nitrates	---	---				
21	Date Sampled for Analysis	8-8-90	12-26-90				
22	Date Last Precipitation Event Occurred	8-6-90	12-25-90				

Laboratory Name Industrial Lab Analysis, Inc.
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State West Virginia Zip 26083

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OHIO DEPARTMENT OF NATURAL RESOURCES
DIVISION OF RECLAMATION

ATTACHMENT 14A
(HYDROLOGIC MEASUREMENTS AND ANALYSES)

APPLICANT BENNOC, INC.

1	Identification No. of Sampling Station from Hydrology Map	S-2 (D-1159)	S-2 (D-1159)	S-2	S-3 (D-1159)	S-3 (D-1159)	S-3
2	Identification Number	93-12-1164	94-03-475	279424	93-12-1166	94-03-476	279411
3	High (H)/Low (L) Designation (if applicable)	L	H	SUPPLE MENTAL	L	H	SUPPLE MENTAL
4	Surface Elevation for Sampling Station (msl)	1085	1085	1085	1082	1082	1082
5	Depth of Well Below Land Surface (feet)	--	--	--	--	--	--
6	Static Water Level of Well Below Land Surface (feet)	--	--	--	--	--	--
7	Flow for Spring and Stream (gpm or cfs)	19 GPM	54 GPM	2.5 GPM	8.6 GPM	52 GPM	2.5 GPM
8	Date Above Measurements Made	12-29-93	3-9-94	4-9-99	12-29-93	3-9-94	4-9-99
9	Aquifer/Zone Identification For Well/Spring	B	B	B	B	B	B
10	pH (Standard Units)	6.98	7.99	6.14	7.54	7.91	6.32
11	Total Acidity (mg/l CaCO3)	8.80	3.60	8.00	6.60	4.60	6.00
12	Total Alkalinity (mg/l CaCO3)	87.20	79.40	46.00	91.60	87.40	18.00
13	Specific Conductivity (umhos/cm at 25° C)	210.0	160.0	126.00	210.00	160	64.00
14	Total Dissolved Solids (mg/l)	---	---	---	---	---	---
15	Total Manganese (mg/l)	0.99	<0.02	0.029	<0.02	0.02	0.035
16	Total Sulfates (mg/l)	26.0	27.0	54.33	20.0	24.00	34.57
17	Total Iron (mg/l)	2.15	0.17	2.77	<0.04	0.11	1.57
18	Total Suspended Solids (mg/l)	3.0	2.00	8.00	8.0	6.0	11.00
19	Total Hardness (mg/l as CaCO3)	118.0	76.00	55.65	138.00	80.0	23.17
20	Nitrates	---	---	---	---	---	---
21	Date Sampled for Analysis	12-29-93	3-9-94	4-9-99	12-29-93	3-9-94	4-9-99
22	Date Last Precipitation Event Occurred	12-25-93	3-9-94	4-9-99	12-25-93	3-9-94	4-9-99

Laboratory Name Industrial Lab Analysis, Inc. / Ream & Haager Laboratories, Inc.
Address 2240 Williamsburg Drive / 1226 Kaderly St. NW City Glen Dale / New Philadelphia
State West Virginia / Ohio Zip 26083 / 44663

NOTE: If information required by items 5, 6, and 9 is unobtainable, submit as an addendum to Attachment 14A a statement giving the reasons why the information is unobtainable.
NOTE: For each sample provide data for either item 13 or 14.

OHIO DEPARTMENT OF NATURAL RESOURCES
DIVISION OF RECLAMATION

ATTACHMENT 14A
(HYDROLOGIC MEASUREMENTS AND ANALYSES)

APPLICANT BENNOC, INC.

1	Identification No. of Sampling Station from Hydrology Map	S-6 (D-1159)	S-6 (D-1159)	S-7 (D-1159)	S-7 (D-1159)	S-25	S-25
2	Identification Number	93-12-1173	94-03-479	93-12-1174	94-03-584	282307	279416
3	High (H)/Low (L) Designation (if applicable)	L	H	L	H	L	H
4	Surface Elevation for Sampling Station (msl)	995	995	1080	1080	1097	1097
5	Depth of Well Below Land Surface (feet)	--	--	--	--	--	--
6	Static Water Level of Well Below Land Surface (feet)	--	--	--	--	--	--
7	Flow for Spring and Stream (gpm or cfs)	2.9 GPM	83 GPM	<1 GPM	16.2 GPM	<1 GPM	<1 GPM
8	Date Above Measurements Made	12-29-93	3-9-94	12-29-93	3-10-94	7-12-99	4-9-99
9	Aquifer/Zone Identification For Well/Spring	C	C	B	B	B	B
10	pH (Standard Units)	7.66	8.00	7.80	7.86	7.57	7.94
11	Total Acidity (mg/l CaCO3)	5.60	4.80	3.20	6.60	16.00	12.00
12	Total Alkalinity (mg/l CaCO3)	256.40	93.60	151.00	100.80	188.0	190.0
13	Specific Conductivity (umhos/cm at 25° C)	270.0	210.0	447.00	407.00	474.0	451.0
14	Total Dissolved Solids (mg/l)	---	---	---	---	---	---
15	Total Manganese (mg/l)	<0.02	<0.02	0.02	<0.02	0.010	<0.008
16	Total Sulfates (mg/l)	37.0	36.0	24.01	36.0	65.86	51.86
17	Total Iron (mg/l)	0.09	0.15	0.08	0.05	0.155	0.189
18	Total Suspended Solids (mg/l)	9.0	8.0	10.0	5.0	25.0	12.0
19	Total Hardness (mg/l as CaCO3)	160.0	92.0	246.00	118.00	259.92	230.19
20	Nitrates	---	---	---	---	---	---
21	Date Sampled for Analysis	12-29-93	3-9-94	12-29-93	3-10-94	7-12-99	4-9-99
22	Date Last Precipitation Event Occurred	12-25-93	3-9-94	12-25-93	3-10-94	7-9-99	4-9-99

Laboratory Name Industrial Lab Analysis, Inc. / Ream & Haager Laboratories, Inc.
Address 2240 Williamsburg Drive / 1226 Kaderly St. NW City Glen Dale / New Philadelphia
State West Virginia / Ohio Zip 26083 / 44663

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NOTE: For each sample provide data for either item 13 or 14.

OHIO DEPARTMENT OF NATURAL RESOURCES
DIVISION OF RECLAMATION

ATTACHMENT 14A
(HYDROLOGIC MEASUREMENTS AND ANALYSES)

APPLICANT BENNOC, INC.

	Identification No. of Sampling Station from Hydrology Map	S-1	WI-3	W-11Y (D-1159)	W-11Y	DM-2 (D-1159)	
2	Identification Number	279424	279421	97-10-479	99-05-351	02-736	
3	High (H)/Low (L) Designation (if applicable)	SUPPLEMENTAL		L	H	SUPPLEMENTAL	
4	Surface Elevation for Sampling Station (msl)	1075	958	930	930	977	
5	Depth of Well Below Land Surface (feet)	--	--	150'	150'	--	
6	Static Water Level of Well Below Land Surface (feet)	--	--	85'	79.5'	--	
7	Flow for Spring and Stream (gpm or cfs)	3.4 GPM	--	--	---	<1 GPM	
8	Date Above Measurements Made	4-9-99	4-9-99	10-13-97	5-17-99	2-24-94	
9	Aquifer/Zone Identification For Well/Spring	B	--	D	D	C	
10	pH (Standard Units)	6.21	7.02	7.45	7.17	5.20	
11	Total Acidity (mg/l CaCO3)	8.00	12.00	10.20	15.40	12.60	
12	Total Alkalinity (mg/l CaCO3)	22.00	76.00	188.60	63.40	7.20	
13	Specific Conductivity (umhos/cm at 25° C)	90.00	216.00	546.00	243.0	456	
14	Total Dissolved Solids (mg/l)	---	---	---	---	---	
15	Total Manganese (mg/l)	0.013	0.078	0.24	0.34	0.64	
16	Total Sulfates (mg/l)	42.81	60.09	36.0	21.0	155.0	
17	Total Iron (mg/l)	1.79	2.20	0.06	0.13	3.15	
18	Total Suspended Solids (mg/l)	31.00	72.00	24.0	<2.0	109.0	
19	Total Hardness (mg/l as CaCO3)	36.49	94.69	80.0	87.0	210.0	
20	Nitrates	---	---	---	---	---	
21	Date Sampled for Analysis	4-9-99	4-9-99	10-13-97	5-17-99	2-24-94	
22	Date Last Precipitation Event Occurred	4-9-99	4-9-99	10-10-97	5-14-99	2-24-94	

Laboratory Name Ream & Haager Laboratories, Inc. / Industrial Lab Analysis
Address 1226 Kaderly Street NW / 2240 Williamsburg Drive City New Philadelphia / Glen Dale
State Ohio West Virginia Zip 44663 / 26038

NOTE: If information required by items 5, 6, and 9 is unobtainable, submit as an addendum to Attachment 14A a statement giving the reasons why the information is unobtainable.
NOTE: For each sample provide data for either item 13 or 14.

OHIO DEPARTMENT OF NATURAL RESOURCES
DIVISION OF RECLAMATION

ATTACHMENT 14A
(HYDROLOGIC MEASUREMENTS AND ANALYSES)

APPLICANT BENNOC, INC.

1	Identification No. of Sampling Station from Hydrology Map	D-2 (D-1159)	D-2 (D-1159)				
2	Identification Number	12-1116	03-463				
3	High (H)/Low (L) Designation (if applicable)	L	H				
4	Surface Elevation for Sampling Station (msl)	960	960				
5	Depth of Well Below Land Surface (feet)	--	--				
6	Static Water Level of Well Below Land Surface (feet)	--	--				
7	Flow for Spring and Stream (gpm or cfs)	0.075 CFS	0.31 CFS				
8	Date Above Measurements Made	12-29-93	3-9-94				
9	Aquifer/Zone Identification For Well/Spring	--	--				
10	pH (Standard Units)	7.88	7.95				
	Total Acidity (mg/l CaCO3)	8.60	7.00				
12	Total Alkalinity (mg/l CaCO3)	162.00	132.00				
13	Specific Conductivity (umhos/cm at 25° C)	323.00	260.00				
14	Total Dissolved Solids (mg/l)	---	---				
15	Total Manganese (mg/l)	0.03	<0.02				
16	Total Sulfates (mg/l)	49.0	47.0				
17	Total Iron (mg/l)	<0.04	0.21				
18	Total Suspended Solids (mg/l)	2.0	3.0				
19	Total Hardness (mg/l as CaCO3)	218.0	124.0				
20	Nitrates	---	---				
21	Date Sampled for Analysis	12-29-93	3-9-94				
22	Date Last Precipitation Event Occurred	12-29-93	3-7-94				

Laboratory Name Ream & Haager Laboratories, Inc. / Industrial Lab Analysis
Address 1226 Kaderly Street NW / 2240 Williamsburg Drive City New Philadelphia / Glen Dale
State Ohio West Virginia Zip 44663 / 26038

NOTE: If information required by items 5, 6, and 9 is unobtainable, submit as an addendum to Attachment 14A a statement giving the reasons why the information is unobtainable.
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OHIO DEPARTMENT OF NATURAL RESOURCES
DIVISION OF RECLAMATION

ATTACHMENT 14C
(WELL/SPRING INVENTORY)

Applicant's Name BENNOC, INC.

Well/Spring Identification Number	Name of Owner of Well/Spring	Surface Elevation of Well/Spring	Depth of Well in Feet Below Land Surface	Static Water Level of Well in Feet Below Land Surface	Lithology of Supplying Aquifer/ Waterbearing Zone	Known Uses of Well/Spring (if spring give discharge rate)
S-1 (D-1159)	AMERICAN ENERGY CORP.	1075	N/A	N/A	B	NONE 34 gpm
S-2 (D-1159)	AMERICAN ENERGY CORP.	1085	N/A	N/A	B	NONE 2.5 TO 54 GPM
S-3 (D-1159)	AMERICAN ENERGY CORP.	1082	N/A	N/A	B	NONE 2.5 TO 52 GPM
S-4 (D-1159)	AMERICAN ENERGY CORP.	980	N/A	N/A	C	NONE <1 to 5.8 GPM
S-5 (D-1159)	AMERICAN ENERGY CORP.	1085	N/A	N/A	B	NONE 1.3 TO 6.8 GPM
S-6 (D-1159)	AMERICAN ENERGY CORP.	995	N/A	N/A	C	NONE 2.9 TO 83 GPM
S-7 (D-1159)	AMERICAN ENERGY CORP.	1080	N/A	N/A	B	NONE <1 TO 16.2 GPM
SZ-1 (D-1159)	AMERICAN ENERGY CORP.	930	N/A	N/A	POSSIBLE REFUSE DISPOSAL SEEPAGE	NONE <1 GPM
SZ-2 (D-1159)	AMERICAN ENERGY CORP.	930	N/A	N/A	POSSIBLE SEEPAGE FROM POND	NONE <1 gpm
W-11Y (D-1159)	AMERICAN ENERGY CORP.	930	150'	79.5' to 85'	D	NONE
S-25	AMERICAN ENERGY CORP.	1097	N/A	N/A	B	NONE <1 GPM
DM-2 (D-1159)	AMERICAN ENERGY CORP.	977	N/A	N/A	C	NONE <1 GPM

AEC 08431

OHIO DEPARTMENT OF NATURAL RESOURCES
DIVISION OF RECLAMATION

ATTACHMENT 14D
(SURFACE WATER BODIES/PUBLIC WATER SUPPLIES)

Applicant's Name BENNOC, INC.

Surface Water/ Public Supply Identification #	Type of Surface Water/Public Supply	Name of Owner of Surface Water/ Public Supply	Known Uses of Surface Water/ Public Supply
(D-1159) U-1 CAPTINA CREEK	PERENNIAL STREAM	SEE MAP	NONE
(D-1159) U-3/D-2/D-3 LONG RUN	PERENNIAL STREAM	SEE MAP	NONE
S-6 / D-4 *(D-1159)*	INTERMITTENT STREAM	SEE MAP	NONE
S-7 / D-5 *(D-1159)*	INTERMITTENT STREAM	SEE MAP	NONE
S-5 / D-6 *(D-1159)*	INTERMITTENT STREAM	SEE MAP	NONE
D-11, SW-6/D-7 *(D-1159)*	INTERMITTENT STREAM	SEE MAP	NONE
S-2, S-3/D-8 *(D-1159)*	INTERMITTENT STREAM	SEE MAP	NONE
S-1 / D-9 *(D-1159)*	INTERMITTENT STREAM	SEE MAP	NONE
(D-1159) U-10 PINEY CREEK	PERENNIAL STREAM	SEE MAP	NONE
(D-1159) WI-1, WI-1C, WI-1B (POND 008 SERIES)	IMPOUNDMENTS	SEE MAP	NONE
(D-1159) WI-2, (POND 011)	IMPOUNDMENT	SEE MAP	NONE
(D-1159) WI-3	IMPOUNDMENT	SEE MAP	NONE
(D-1159) WI-4, (POND 002)	IMPOUNDMENT	SEE MAP	NONE

ADDENDUM TO ATTACHMENT 14A, 14C & 14D
BENNOC, INC.

SITE	STATE PLANE COORDINATES X	Y
W-6	2,414,487	699,166
U-2	2,413,328	698,894
U-1	2,413,878	698,320
D-2	2,414,011	698,238
S-1/M-5	2,413,502	698,205
S-25	2,413,444	697,651
M-6/S-2	2,413,237	696,882
M-7/S-3	2,412,563	695,898
S-1	2,414,814	696,562
SW-3/D-9	2,415,296	695,618
D-1	2,415,113	695,274
S-5	2,412,883	694,583
D-8	2,414,912	694,919
WI-1B/008A	2,415,118	694,923
SZ-2	2,415,138	694,860
WI-1C/008B	2,415,157	694,762
SW-4	2,415,115	694,649
WI-1/008C	2,415,131	694,532
*W-7	2,415,042	694,450
SZ-1	2,415,146	694,417
SW-5/WI-2	2,414,699	694,189
D-7	2,414,433	693,995
SW-8/D-6	2,414,250	693,894
*W-1/M-1	2,414,425	693,664
D-5	2,414,002	693,409
W-5	2,414,093	693,359
SW-7	2,414,409	693,176
W-8	2,414,065	693,152
U-1	2,413,883	693,227
D-3	2,413,841	693,145
W-10	2,413,758	693,028
W-9	2,414,129	692,923
W-11Y	2,414,094	692,689
WI-4/SW-2	2,414,522	692,912
SW-6	2,415,040	693,447
D-11	2,415,956	693,463
S-4/M-8	2,412,460	693,622
SW-1/WI-3	2,412,651	693,284
U-3	2,411,397	693,501
W-12	2,414,240	692,490
D-4	2,414,451	692,266
W-13	2,414,490	692,188
S-6	2,413,583	691,981
U-10	2,413,989	691,553
S-7	2,415,646	692,456
DM-2	*2,412,145*	*693,638*
D-2	*2,411,615*	*693,675*

Note: The X-Y Coordinate for site U-10 is given for the location as shown on the map that accompanies this application, however, the site is actually 850' upstream on Piney Creek. The X-Y coordinate for its actual location is listed within the D-1159 permit. X-Y coordinates for water impoundments were taken in the center of the triangle depicting water impoundment as shown on the application map accompanying this application.

* Wells W-7 and W-1/M-1 no longer exist.

D. (3) Based on the data listed on Attachment 14A, and other information submitted with this application, identify the seasonal variations in water quality and quantity for the streams identified in Part 2, D(2).

SEE ORIGINAL PERMIT D-0425, AND ATTACHED PRECIPITATION DATA.

E. HYDROLOGIC DETERMINATION-**Permit, Shadow Area, and Adjacent Area**

Based on the information submitted in response to items B, C, and D in this part of the permit application, submit an addendum describing the probable hydrologic consequences of this proposed underground mining operation on the hydrologic regime of the proposed permit area, shadow area, and adjacent area. The description shall include findings on each of the following items:

(1) The consequences of the proposed operation on the contents of total suspended and dissolved solids, total iron, total manganese, acidity, and pH.

(2) Whether adverse impacts may occur to the hydrologic balance;

(3) The impact the proposed operation will have on:

(a) sediment yield from the disturbed area,

(b) flooding and stream flow alteration or diminution,

(c) ground water and surface water availability.

SEE ORIGINAL PERMIT D-0425, & PA25 ADDENDUM

F. ALTERNATIVE WATER SUPPLY INFORMATION-**Permit, Shadow Area and Adjacent Area**

(1) Based on the response in Part 2, item E, submit an addendum identifying the extent to which the proposed coal mining activities may proximately result in contamination, diminution, or interruption of an underground or surface source of water within the proposed permit area, shadow area, and adjacent area that is used for domestic, agricultural, industrial, or other legitimate use.

SEE PERMIT D-0425 & ADDENDUM

(2) If contamination, diminution, or interruption may result, submit an addendum identifying the alternative sources of water supply that could be developed to replace the existing sources including information on water availability and suitability of alternative sources for existing pre-mining uses and postmining land uses.
SEE PERMIT D-0425 & ADDENDUM

ADDENDUM TO PART 2, ITEM D(3) BENNOC, INC.

OHIO DEPARTMENT OF NATURAL RESOURCES
DIVISION OF WATER

PRECIPITATION REPORT

Station OHIO VALLEY COAL, ST. RT. 148 Month FEBRUARY 19 94

Time of Observation 7:00 a.m. Observer OHIO VALLEY COAL CO. STAFF

24 Hour Amounts			At Obsn.	Weather Condition						Remarks
Day	Rain, Melted Snow, etc. (in. & hund'ths)	Snow, Sleet, Hail, etc. (in. & tenths)	Snow on ground (inches)	Fog, Heavy	Ice Pellets	Glaze, Freezing Rain	Thunder	Hail	Damaging Winds	
1	0.00									
2	0.00									
3	T									
4	0.00									
5	0.00									
6	0.00	Ohio Valley Coal Co. raingauge located 2 miles northeast of the proposed mine site.								
7	0.00									
8	0.81									
9	T									
10	0.00									
11	T									
12	0.00									
13	0.01									
14	0.00									
15	0.00									
16	0.00									
17	0.00									
18	0.00									
19	0.00									
20	0.00									
21	0.39									
22	0.63									
23	0.65									
24	0.02									
25	0.00									
26	0.00									
27	0.00									
28	T									
29										
30										
31										
Total	2.51									

AEC 08435

ADDENDUM TO PART 2, ITEM D(3) BENNOC, INC.

OHIO DEPARTMENT OF NATURAL RESOURCES
DIVISION OF WATER

PRECIPITATION REPORT

Station OHIO VALLEY COAL, ST. RT. 148 Month MARCH 19 94

Time of Observation 7:00 a.m. Observer OHIO VALLEY COAL CO. STAFF

24 Hour Amounts			At Obsn.	Weather Condition						Remarks
Day	Rain, Melted Snow, etc. (in. & hund'ths)	Snow, Sleet, Hail, etc. (in. & tenths)	Snow on ground (inches)	Fog, Heavy	Ice Pellets	Glaze, Freezing Rain	Thunder	Hail	Damaging Winds	
1	0.04									
2	0.90									
3	T									
4	0.00									
5	0.00									
6	0.00	Ohio Valley Coal Co. raingauge located 2 miles northeast of the proposed mine site.								
7	0.19									
8	0.00									
9	1.20	3.64 total inches precipitation 30 days prior to sampling date.								
10	T	4.84 total inches precipitation 30 days prior to sampling date.								
11										
12										
13										
14										
15										
16										
17										
18										
19										
20										
21										
22										
23										
24										
25										
26										
27										
28										
29										
30										
31										
Total										

OHIO DEPARTMENT OF NATURAL RESOURCES
DIVISION OF WATER

PRECIPITATION REPORT

ADDENDUM TO PART 2, ITEM D(3), BENNOC, INC.

Station THE OHIO VALLEY COAL CO., ST. RT. 148 Month APRIL 1999

Time of Observation 7:30 am Observer THE OHIO VALLEY COAL CO. STAFF

24 Hour Amounts			At Obsn.	Weather Condition						Remarks
Day	Rain, Melted Snow, etc. (in. & hun'ths)	Snow, Sleet, Hail, etc. (in. & tenths)	Snow on ground (inches)	Fog, Heavy	Ice Pellets	Glaze Freezing Rain	Thunder	Hail	Damaging Winds	
1	0.09	The Ohio Valley	Coal Co. raingauge	is	located	approximately	2			
2	0.00	miles northeast	of D-0425	permit	area.					
3	0.00									
4	0.33									
5	0.05									
6	0.13									
7	0.00									
8	0.00									
9	TRACE									
10	1.35									
11	0.49									
12	0.00									
13	0.00									
14	0.00									
15	0.45									
16	0.05									
17	0.03									
18	0.30									
19	0.55									
20	0.00									
21	0.35									
22	0.44									
23	0.00									
24	0.00									
25	0.00									
26	0.00									
27	0.00									
28	0.00									
29	0.00									
30	0.00									
31										
Total	4.61									

OHIO DEPARTMENT OF NATURAL RESOURCES
DIVISION OF WATER

PRECIPITATION REPORT

ADDENDUM TO PART 2, ITEM D(3), BENNOC, INC.

Station THE OHIO VALLEY COAL CO., ST. RT. 148 Month MAY 1999

Time of Observation 7:30 am Observer THE OHIO VALLEY COAL CO. STAFF

24 Hour Amounts			At Obsn.	Weather Condition						Remarks
Day	Rain, Melted Snow, etc. (in. & hun'ths)	Snow, Sleet, Hail, etc. (in. & tenths)	Snow on ground (inches)	Fog, Heavy	Ice Pellets	Glaze Freezing Rain	Thunder	Hail	Damaging Winds	
1	0.00	The Ohio Valley Coal Company raingauge is located approximately								
2	0.00	2 miles northeast of D-0425 permit area.								
3	0.00									
4	0.00									
5	0.00									
6	0.00									
7	0.43									
8	0.04									
9	0.00									
10	0.00									
11	0.00									
12	0.00									
13	0.09									
14	0.02									
15	0.00	2.75 Total inches precipitation 30 days prior to sampling date								
16	0.00									
17	0.00									
18	0.57									
19	0.00									
20	0.00									
21	0.00									
22	0.50									
23	0.49									
24	0.22									
25	0.02									
26	0.00									
27	0.00									
28	0.00									
29	0.00									
30	0.00									
31	0.00									
Total	2.38									

ADDENDUM TO PART 2, ITEM F(1 & 2)
BENNOC, INC.

F. ALTERNATE WATER SUPPLY INFORMATION

(1) There are no legitimatley used developed ground water supplies within 1000 feet of the proposed surface facilities.

(2) The operator will provide a temporary supply within 48 hours following the operators investigation or upon notification of the Divisions Technical Section, when such investigations indicate that mine related damage has occurred. In cases where exceptional circumstances prevail which prevent the operator from meeting this time frame, the operator will immediately contact the Chief of the Division of Reclamation for a determination as to whether an extension of time is warranted.

Temporary supplies will continue through any appeals process and/or until a permanent supply is provided. Temporary supplies will be in the form of trucked water and/or bottled water. The water will be stored in a 1,000 gallon plastic container, and the bottled water is self-contained.

G. LAND USE INFORMATION-**Permit Area**

(1) Describe the uses of the land within the proposed permit area existing at the time of the filing of this permit application and provide a map which delineates the area of each land use.

THE PERMIT AREA CONTAINS 100% UNDEVELOPED LAND

(2) Was the land use described in item G(1) above changed within five years before the anticipated date of beginning this proposed mining operation? _____ Yes, __X__ No. If "yes," submit and addendum describing the historic use of the land.

(3) Analyze the capability of the land within the proposed permit area before any mining to support a variety of uses, giving consideration to soil and foundation characteristics, topography, vegetative cover, and hydrology of the proposed permit area.

SEE RESPONSE IN ORIGINAL PERMIT D-0425

(4) Analyze the productivity of the land within the proposed permit area before any mining to include average yields obtained under high level of management.

SEE RESPONSE IN ORIGINAL PERMIT D-0425

(5) Is any land within the proposed permit area classified as prime farmland? _____ Yes, _____ No.

SEE RESPONSE IN ORIGINAL PERMIT D-0425

(6) Submit an addendum describing the use of the land within the permit area, including the creation of permanent water impoundments, that is proposed to be made of the land following reclamation, including information regarding the utility and capacity of the reclaimed land to support a variety of alternative uses.

THE POST-MINING LAND USE WILL BE UNDEVELOPED. PER PERMIT D-1159, POND 011 HAS BEEN MODIFIED AND IS PROPOSED TO REMAIN PERMANENTLY. SEE ATTACHED POND MAINTENANCE LETTER. SEE ADDENDUM TO PART 2, ITEM G(6)FOR LAND OWNER REQUEST LETTER.

THE POST-MINING LAND USE WILL BE AESTHETICALLY APPROPRIATE AND CORRESPONDS WITH ADJACENT LAND USES. GRASSES AND LEGUMES WILL BE USED AS A COVER CROP. FOLLOWING RECLAMATION, THE CAPABILITY AND PRODUCTIVITY OF THE LAND WILL BE GREATER THAN THAT AT THE PRESENT TIME.

(7) Are there existing land use classifications under local law of the proposed permit area? _____ Yes, __X__ No. If "yes," describe the land use classification and submit as an addendum to the permit application, the comments of the governmental agency which would have to initiate, implement, approve or authorize the proposed use of the land following reclamation. If "no," describe the sources of information on which the determination was made.

THE COMMUNITY IMPROVEMENT CORPORATION OF BELMONT COUNTY

Addendum to Part 2, Page 16, Item G(6), Bennoc, Inc.

We, American Energy Corp., property owners, hereby request that Pond 011 on Bennoc, Inc.'s D-0425 permit located in Section 3, Wayne Township, Belmont County, Ohio remain after mining. We will be responsible for maintenance of Pond 011 after final bond release.

Signature

G. (8) Submit as an addendum a copy of the comments from the legal or equitable owner of record of the surface of the proposed permit area concerning the proposed land use.

SEE ADDENDUM TO PART 2, PAGE 20, ITEM G(8), LANDOWNER COMMENT

(9) Describe the consideration which has been given to making all of the proposed coal mining activities consistent with surface owner plans and applicable state and local land use plans and programs.

NO STATE OR LOCAL LAND USE PLANS OR PROGRAMS EXIST FOR THIS AREA. ALL THE PROPOSED ACTIVITIES EXPLAINED IN THIS PERMIT ARE CONSISTENT WITH THE SURFACE OWNER PLANS.

(10) Describe how the proposed land use is to be achieved and the necessary support activities that may be needed to achieve the proposed land use.

THE PROPOSED LAND USE WILL BE ACHIEVED BY FOLLOWING THE RECLAMATION PLAN DESCRIBED IN PART 3 OF THIS PERMIT.

(11) Is the postmining land use to be different from the premining land use? _____ Yes, __X__ No. If "yes," submit as an addendum to the permit application, the plans and findings required by paragraph (D) of rule 1501:13-9-17 of the Administrative Code.

(12) Has the proposed permit area been previously mined? __X__ Yes, _____ No. If "yes," provide the following information, if available.

(a) Type of mining method Surface
(b) Coal seam mined Waynesburg No. 11
(c) Non coal mineral mined N/A
(d) Extent of mining (acres) 13 Ac.
(e) Approximate dates 1990's
(f) Land use preceding mining Undeveloped

(a) Type of mining method Underground
(b) Coal seam mined Pittsburgh No. 8
(c) Non coal mineral mined N/A
(d) Extent of mining (acres) 1 Ac.
(e) Approximate dates 1960's
(f) Land use preceding mining Natural Undeveloped Woodland

H. PRIME FARMLAND INVESTIGATION-**Permit Area**

(1) Does the proposed permit area include any land that is prime farmland, taking into consideration the negative determinations listed in paragraph (L)(2) of rule 1501:13-4-13 of the Administrative Code?
_____ Yes, __X__ No.

(2) If the response to item H.(1) is "yes," submit Attachment 15.

(3) If the response to item H.(1) is "no," submit Attachment 16.

SEE ORIGINAL PERMIT D-0425, ITEM I(1 & 3), AND ATTACHMENT 16 & ADDENDA FOR 0.8 ACRE APPROVED IBR AREA.

Addendum to Part 2, Page 20, Item G(8)

Bennoc, Inc.

TO: AMERICAN ENERGY CORP.

FROM: BENNOC, INC.

Location of Proposed Permit Area:

County/Twp	BELMONT/WAYNE, WASHINGTON	**Lot/Section**	3 , 26, 4

The proposed postmining land use(s) for your property is/are checked below:

	Cropland		Residential Land Use
	Grazing Land		Forest
	Industrial Land Use		Fish & Wildlife
	Commercial Land Use		Recreation Land Use
	Developed Water Resources	X	Undeveloped Land Use

Pursuant to Ohio Department of Natural Resources, Division of Mines and Reclamation, Ohio Coal Mining and Reclamation Rule 1501:13-4-05(G)(2) of the Ohio Administrative Code, surface owner comments concerning the proposed postmining land use(s) for the proposed permit area are required. Please check the appropriate box below.

X	*I concur with the proposed postmining land uses identified by the mine operator.*
	I DO NOT concur with the proposed postmining land uses.

COMMENTS:

Please check each (if any) of the following listed wildlife enhancements that you would be interested in having on your property. Include any comments that you may have:

	Tree/Shrub Plantings		Small Depressions
	Ponds/Wetlands		Perching/Nesting Structures
	Brushpiles		Other:
	Rockpiles		Other:

SIGNATURE OF SURFACE OWNER — DATE 1-19-01

WAIVER STATEMENT (Optional for Surface Owner): I, the above named surface owner, waive my right to comment on any revision to the permit application during the application review process that results in a change in the postmining land use(s) from those shown above. (NOTE: I DO NOT WAIVE MY RIGHT TO COMMENT ON ANY PROPOSED POSTMINING LAND USE CHANGE AFTER PERMIT ISSUANCE.)

SIGNATURE OF SURFACE OWNER — DATE 1-19-01

OHIO DEPARTMENT OF NATURAL RESOURCES
DIVISION OF RECLAMATION

ATTACHMENT 16
(NEGATIVE DETERMINATION OF PRIME FARMLAND)

Applicant's Name BENNOC, INC.

This attachment is to be completed and submitted with the permit application if the applicant is demonstrating that the permit area or a portion of the permit area is not prime farmland. Check ( ) the appropriate item numbers and attach the documents used to make the demonstration.

_____ 1. Lands within the proposed permit area have not been historically used for cropland.

_____ 2. The slope of the land within the proposed area is greater than eight percent.

__X__ 3. On the basis of a second order soil survey meeting the standards of the National Cooperative Soil Survey, there are no soil map units within the proposed permit area that have been designated prime farmland by the U.S. Soil Conservation Service.

_____ 4. On the basis of a first order soil survey commissioned by the applicant and meeting the standard of the National Cooperative Soil Survey, there were found to be no prime farmland map units as designated by the S.C.S. within the proposed permit area (See Attachment 15, item 2 for 1st order survey criteria).

ADDENDUM TO ATTACHMENT 16, BENNOC, INC.

U.S. Department of Agriculture
Natural Resources Conservation Service

OH-CPA-65
Rev. 9/94

Certification of Prime/Nonprime Farmland

Name of Mine Operator BENNOC, INC.

Location of Permit Application Area Sect 26, T-5 R4

Size of Permit Area (Acres) 1.0 ACRES

Check Appropriate Block:

1. ☑ I have determined that this permit application DOES NOT contain prime farmland in accordance with the edition of the current county Prime Farmland Map Unit List found in the county Field Office Technical Guide.

2. ☐ I have found that this permit application CONTAINS prime farmland in accordance with the edition of the Prime Farmland Map Units for Ohio and/or the current county Prime Farmland Map Unit List, whichever is more current.

A soil map has been attached and prime units are as follows:

Soil Map Symbol	Map Unit Name
BsE	Brookside Silty Clay Loam 25 to 40% Slopes
LoF	Lowell-Westmoreland Silt Loam 40 to 70% Slopes

Signature Jeffrey P. Bettinger Lead District Conservationist
Jeff Bettinger

~~Jim Forsley~~, Natural Resources Conservation Service
1119 East Main St., Barnesville, OH 43713, (614) 425-1100

TABLE 5.--YIELDS PER ACRE OF CROPS AND PASTURE

[Yields are those that can be expected under a high level of management. Absence of a yield indicates that the soil is not suited to the crop or the crop generally is not grown on the soil]

Soil name and map symbol	Corn	Winter wheat	Oats	Grass-legume hay	Alfalfa hay	Pasture
	Bu	Bu	Bu	Ton	Ton	AUM*
AeC---- Allegheny Variant	105	40	65	3.5	---	5.5
As---- Ashton	125	50	70	4.5	5.0	7.0
BaB, BaD, BaF---- Barkcamp	---	---	---	---	---	---
BcB---- Barkcamp	---	---	---	---	---	3.0
BcD---- Barkcamp	---	---	---	---	---	2.0
BeB---- Bethesda	---	20	40	2.0	---	3.3
BeD---- Bethesda	---	15	35	1.5	---	3.0
BhB, BhD---- Bethesda	---	---	---	---	---	2.0
BhE, BhF---- Bethesda	---	---	---	---	---	---
BsC---- Brookside	100	40	60	4.5	---	7.0
BsD---- Brookside	90	35	55	4.0	---	7.0
BsE---- Brookside	---	---	---	---	---	---
BuB---- Brookside-Urban land	---	---	---	---	---	---
BuD---- Brookside-Urban land	---	---	---	---	---	---
Cg---- Chagrin	125	45	65	4.5	5.0	7.0
ChB---- Chili	85	34	70	4.2	---	6.6
CmB---- Chili-Urban land	---	---	---	---	---	---
CuB---- Culleoka	100	32	65	4.0	---	6.0
CuC---- Culleoka	90	28	60	3.5	---	5.5
DkB---- Dekalb	80	30	55	3.5	---	5.5
DkC---- Dekalb	70	25	50	3.3	---	5.0
DkD---- Dekalb	70	25	50	3.0	---	4.5

See footnote at end of table.

TABLE 5.--YIELDS PER ACRE OF CROPS AND PASTURE--Continued

Soil name and map symbol	Corn	Winter wheat	Oats	Grass-legume hay	Alfalfa hay	Pasture
	Bu	Bu	Bu	Ton	Ton	AUM*
LoE---- Lowell-Westmoreland	---	---	---	---	---	4.0
LoF, LpF---- Lowell-Westmoreland	---	---	---	---	---	---
MnB---- Morristown	---	30	50	3.0	---	4.5
MnD---- Morristown	---	25	45	2.5	---	4.0
MnE---- Morristown	---	---	---	---	---	2.0
MoB, MoD---- Morristown	---	---	---	---	---	3.0
MoE, MoF---- Morristown	---	---	---	---	---	---
Ne---- Newark	100	---	---	4.5	---	7.0
Nm---- Newark	---	---	---	---	---	---
Nn---- Newark Variant	90	---	---	4.0	---	6.0
No---- Nolin Variant	135	45	65	4.5	4.5	7.0
Nu---- Nolin Variant-Urban land	---	---	---	---	---	---
OtB---- Otwell	105	47	65	3.6	---	5.8
OtC---- Otwell	75	38	60	3.2	---	5.0
RcC---- Richland	120	40	70	3.5	---	5.8
RcD---- Richland	110	35	60	3.0	---	4.5
RcE---- Richland	---	---	---	---	---	4.0
RhB---- Richland	125	45	75	4.0	---	6.0
Uc---- Udorthents-Pits	---	---	---	---	---	---
Ud---- Udorthents-Urban land	---	---	---	---	---	---
WhB---- Wellston	105	40	70	4.0	4.5	6.0
WhC---- Wellston	100	35	65	4.0	4.5	6.0
WkB---- Westmore	110	40	70	4.5	5.0	7.0

See footnote at end of table.

ADDENDUM TO ATTACHMENT 16, BENNOC, INC.

0.8 ACRE (APPROVED I.B.R.) PERMIT AREA

PART 3 RECLAMATION AND OPERATIONS PLANS

A. GENERAL REQUIREMENTS-**Permit Area** (Item A. (1) and A. (2)-**Permit and Underground Workings)**

(1) Submit an addendum describing the type and method of coal mining procedures for this application. Explain how these procedures will maximize the use and conservation of the coal resources.

SEE ADDENDUM TO PART 3, PAGE 21, ITEM A(1)

(2) Indicate the anticipated annual and total production of coal from this proposed operation.

Annual 3,471,548 Total 24,300,789

(3) Will this operation be combined with surface coal mining activities to the extent that contemporaneous reclamation of areas disturbed by surface mining will be delayed or such that the underground workings will be within 500 feet of the surface mining activities? _____ Yes, __X__ No. If "yes," submit Attachment 30.

(4) Are experimental mining practices to be employed in the proposed mining operations? _____ Yes, __X__ No. If "yes," submit as an addendum to the permit application, the description, maps, and plans required by paragraph (B) of rule 1501:13-4-12 of the Administrative Code.

(5) Are mountaintop removal mining practices to be employed in the proposed mining operations? _____ Yes, __X__ No. If "yes," submit as an addendum to the permit application the information required by paragraph (C) of rule 1501:13-4-12 of the Administrative Code.

(6) Are the natural pre-mining slopes within the permit area in excess of twenty (20) degrees? __*X__ Yes, _____ No. If "yes," submit an addendum demonstrating compliance with the steep slope mining provisions of paragraph (D) of rule 1501:13-4-12 and 1501:13-13-05 of the Administrative Code.
***HOWEVER, NO MINING WILL OCCUR ON SURFACE PERMIT AREA**

(7) Is augering proposed within the permit area? _____ Yes, __X__ No. If "yes," submit Attachment 18.
N/A - NO MINING WILL OCCUR ON SURFACE PERMIT AREA

(8) Are variances from approximate original contour to be employed for the proposed underground mining surface operations? _____ Yes, __X__ No. If "yes," submit an addendum to the permit application demonstrating compliance with paragraph (E) and/or (K) of rule 1501:13-4-12 of the Administrative Code.

ADDENDUM TO PART 3, PAGE 21, ITEM A(1), BENNOC, INC.

A(1) The Pittsburgh #8 coal seam will be mined utilizing the longwall, and room & pillar methods in the underground mine (Century) associated with the surface facilities addressed in this A.R.P. Coal will be transported to the surface via conveyor belt at the existing slope entry, and temporarily stockpiled near the slope entrance as shown on the application map, or transported via overland conveyor to the existing clean coal silo, and from the existing clean coal silo to a train loadout station. All mining procedures at this site will be conducted in a manner that will ultimately maximize the use and conservation of the coal resources.

A. (9) Will access to the underground workings be gained through a drift entry? ____ Yes, __X__ No. If "yes," provide as an addendum sufficient information to determine the location of the entry relative to the highest elevation of the coal reserve. Is the drift entry located so as to eliminate the potential for a gravity discharge? _____ Yes, _____ No. If "no," the applicant must demonstrate that the coal seam is not acid or iron producing. Provide an analysis of the strata immediately above and below the coal, and the coal seam itself, sufficient to demonstrate that the water quality from the entry will meet effluent limitations without treatment.

(10) For entries to underground workings other than drift entries, provide as an addendum sufficient information to determine the location of the entry relative to the coal reserve. Are the entries located so as to eliminate the potential for a gravity discharge? __X___ Yes, _____ No. If "no," provide the following demonstration: **SEE APPLICATION MAP**

(a) the gravity discharge will meet effluent limitations without treatment, or

(b) the water will be treated to meet effluent limitations and provisions will be made for consistent maintenance of the treatment facility throughout the anticipated period of gravity discharge.

(11) Will the permanent entry seals be designed to withstand the maximum anticipated hydraulic head when the operations are abandoned? __X__ Yes, _____ No. If "yes," submit the appropriate information demonstrating that this will be accomplished. If "no," provide a typical plan for the seals to be used to close the mine entries pursuant to applicable state and federal regulations.
SEALS WILL NOT BE REQUIRED. THE COAL SEAM IS AT LEAST 200' BELOW NATURAL DRAINAGE AND NO GRAVITY DISCHARGE WILL OCCUR. THE SLOPE ENTRY WILL BE BACKFILLED TO PREVENT ENTRY INTO THE MINE AND THE MINE VOID WILL BECOME INUNDATED.

(12) Submit an addendum describing the construction, modification, maintenance, and removal (unless to be retained for postmining land use), including the proposed engineering techniques and major equipment to be used, of the following facilities:

(a) dams, embankments, and other impoundments. Do any of the plans for water, sediment, or slurry impoundments meet the requirements of 30 CFR 77.216? _____ Yes, __X__ No. If "Yes," submit as an addendum a plan that addresses each of the requirements in 30 CFR 77.216-2.

(b) overburden and topsoil handling and storage areas and structures.

SEE ADDENDUM TO PART 3, PAGE 22, ITEMS A(12)(a)&(b)

Addendum to Part 3, Page 22, Item A(12)(a)&(b)
Bennoc, Inc.

(a) Existing sediment ponds 002, 008A, 008B, 008C and 011 have been previously constructed using current, prudent engineering practices and have been certified as such. Pond 011 will remain permanent after mining. Ponds 002, and 008A, B and C will be removed and reclaimed after mining.

(b) There will be no overburden removal associated with the permit area. See Addendum to Part 3, Page 24, Item D(5) for proposed topsoil/subsoil handling plans and procedures.

A. (12) (c) coal removal, handling, storage, cleaning, and transportation areas and structures; including, but not limited to, preparation plants, beltlines, tipples, rail sidings, and primary roads. For roads, conveyors and rail systems, submit an addendum describing the information required pursuant to paragraph (L) of rule 1501:13-4-14 and 1501:13-10-01 of the Administrative Code.
SEE ADDENDUM TO PART 3, PAGE 23, ITEM 12(c)

(d) spoil removal, handling, storage, transportation, and disposal areas and structures, including underground development waste or excess spoil disposal sites. If underground development waste or excess spoil is to be generated, submit an addendum describing the information required by paragraphs (O) and (P) of rule 1501:13-4-14 and 1501:13-9-07 of the Administrative Code.
SEE ADDENDUM TO PART 3, PAGE 23, ITEM 12(d)

(e) mine facilities such as portal/shaft development, boreholes, de-gas holes, vents, office or shop buildings and maintenance facilities.
SEE ADDENDUM TO PART 3, PAGE 23, ITEM 12(e)

(f) water and air pollution control facilities.
SEE ADDENDUM TO PART 3, PAGE 23, ITEM 12(f)

(13) Provide an estimate of the cost per acre to reclaim the permit area. $2500

(14) Will the proposed operation include any of the following:

(a) disposal of coal mine waste from a wash plant, tipple or other source? _____ Yes, __X__ No. If "yes," submit Attachment 28 and, if applicable, the information required by paragraph (H) of rule 1501:13-4-14 of the Administrative Code.

(b) disposal of fly ash or other noncoal wastes? _____ Yes, __X__ No. If "yes," submit an addendum which addresses the disposal material and a detailed disposal plan, pursuant to paragraph (E) of rule 1501:13-9-09 of the Administrative Code.

(c) return of slurry or other mine waste or material into the abandoned underground workings? _____ Yes, __X__ No. If "yes," comply with provisions contained in paragraph (N) of rule 1501:13-4-14 and paragraph (Q) of 1501:13-9-04 of the Administrative Code, and submit copies of the required MSHA approvals as an addendum.

B. EXISTING STRUCTURES-**Permit Area**

(1) Are any existing structures proposed to be used in connection with or to facilitate the coal mining and reclamation operation? __X__ Yes, _____ No. If "yes," submit as an addendum to the permit application a description of each structure. The description shall include the information required by paragraph (B)(1) of rule 1501:13-4-14 of the Administrative Code.

SEE ATTACHED ADDENDA

Addendum to Part 3, Page 23, Item A(12)(c)
Bennoc, Inc.

Coal will be mined, utilizing a continuous miner and longwall method, from the proposed shadow area associated with permit application D-0425-1. The coal will be transported out of the mine to a coal silo, stockpile, or transfer tower by conveyor belt. A conveyor belt system will then transport coal from the coal silo overland to a second coal silo. A conveyor system will then transport coal to a loadout point where it can be transported by truck or rail in a raw state to the consumer. At this time, there are no plans for coal to be cleaned or prepared on the permit site.

If the surface conveyor belt system has not been completed prior to the removal of coal from the mine, coal will be stockpiled near the slope entry, loaded into trucks and transported over existing public roads to the consumer. The coal stockpile will be placed on a non-toxic, non-combustible impermeable base constructed from materials obtained from the Permit D-1159 area, at the location shown on the application map. The stockpile will be protected from erosion and contact with surface water. The coal stockpile will be visually inspected and maintained as necessary to correct any problems that may occur. Drainage from the stockpile area will flow to Pond 011 through Diversion Ditch DD-1 and its associated culvert. After mining operations are complete, the coal stockpile area will be reclaimed and revegetated.

At the completion of mining, the areas affected by the handling and storage of coal will be cleaned of all coal, and where necessary, soil covered and revegetated. Waste generated from reclamation of coal storage areas will be disposed of on-site. See response to the Addendum to A.R.P., Item 4., Page 23, Item A(14)(a), submitted March 1, 2001. The existing surface water pattern provides for the collection and routing of all contaminated surface water runoff to appropriate sedimentation control facilities.

Also see response to this item in original Permit D-0425.

Addendum to Part 3, Page 23, Item A(12)(d)

No spoil removal will take place at the permitted site. If minimal disturbance is required to upgrade the site from its existing state, the areas disturbed will be graded and seeded immediately. Coal will be shipped to the consumer in a raw state. Any additional coal mine development waste generated on-site will be trucked to Permit D-0360 which has an approved refuse disposal facility. See addendum to Part 3, Item D(8) for letter from The Ohio Valley Coal Company allowing disposal of this waste in the D-0360 approved disposal area.

Addendum to Part 3, Page 23, Item A(12)(e)

The facilities necessary to conduct the mining operation as proposed in Application D-0425-1 will be upgraded as necessary prior to coal removal from the underground mine. *These facilities include the conveyor belt system, hoist house, raw and clean coal storage piles, preparation plant, refuse bins, office/bath house, warehouse, power sub-station (all to be totally reconstructed), raw coal silo (currently not proposed to be utilized, however, may be revamped and utilized in the future), clean coal silo (to be revamped and utilized), dual compartment shaft man entry, slope entry (to be unsealed, revamped and utilized), submarine bridge stream crossing (to be revamped and utilized), SW-7 stream crossing, U-8 stream crossing.* Upon final abandonment, all facilities will be dismantled and removed from the site and the shaft and slope entries will be permanently sealed as addressed in the response to Item D. 12 of Part 3, Page 12, in original Permit D-0425, and shown in cross section on Drawing No. 82-1862-E4 in Appendix A of original Permit D-0425. *All existing or reconstructed facilities will be properly maintained throughout the life of the mining operation. All facilities will be removed within two years following the completion of coal removal from the mine, with the exception of the three (3) stream crossings which will remain permanent.*

Addendum to Part 3, Page 23, Item A(12)(f)

A point source air pollution control for fugitive dust permit application will be submitted to the Ohio EPA, Southeast District Office prior to re-installation of the conveyor belt system. This permit will include pollution control measures for fugitive dust from roadways, material handling operations, and conveying. A Permit To Install will be obtained prior to installation of these facilities. Water pollution control facilities are in place and include the system of diversion ditches which route water to sediment ponds. Monitoring of sediment ponds is ongoing and will continue for the life of the permit. Chemical treatment of water at D-0425 has not been necessary for at least the past ten years, however, will occur if necessary when mining is resumed. Permit D-0425 is currently covered by N.P.D.E.S. Permit OIL00091*ED, and N.P.D.E.S./Stormwater Permit OGR00014.

Addendum to Part 3, Page 23, Item B(1)
Bennoc, Inc.

1501:13-4-14 (B)(1) Existing Structures

Existing sediment Pond 008 which consists of an interconnecting series of three ponds labeled 008A, 008B, and 008C on the attached plan view, Drawing No. 81-250-E21 will be used as a sediment pond.

(a) Existing Pond 008 is located on the northwest side of Piney Creek, east of the raw coal silo as shown on the enclosed map.

(b) See attached Engineer's Certification, Attachment 21, and Drawing No.'s 81-250-E21, 81-250-E22 and 81-250-E23.

(c) Pond 008 was constructed in 1967.

(d) See attached monthly monitoring data for Pond 008.

Existing Pond 002

a) Pond 002 is located on the south end of the permit, south of SW-7,

b) See attached Engineer's Certification, Attachment 20 and Drawing No. 82-2120-E1.

c) The pond was constructed prior to 1984.

d) Yearly pond inspections have indicated that there are no problems with this structure.

Addendum to Part 3, Page 23, Item B(1)
Bennoc, Inc.

Streams SW-6 and SW-7 were piped underground when this mine was initially started in 1967.

Stream SW-6

a) Stream SW-6 is located on the north side of Township Road 88 and flows in a westerly direction into Piney Creek, just south of Pond 011.

b) The stream is piped under the surface facility area by a 558' long pipe at a slope of 2% which has a 24 inch diameter inlet and a 36 inch diameter outlet.

c) The stream was piped under the surface in 1967.

d) ODNR inspections of this site since 1984 have indicated that there are no problems with this structure.

Stream SW-7

a) Stream SW-7 is located on the south side of Township Road 88 and flows in a westerly direction into Piney Creek, south of the shaft entry.

b) The stream is piped under the surface facility area by a 400' long, 39" diameter pipe at a slope of 2.7%.

c) The stream was piped under surface in 1967.

d) ODNR inspections of this site since 1984 have indicated that there are no problems with this structure.

Stream Crossing in Stream SW-7

a) The existing stream crossing is located northeast of Pond 002, on the south side of Township Road 88.

b) The existing stream crossing is a 72" diameter smooth steel pipe, 34' long at a 4.4% slope with 11.9' of available headwater.

c) The stream crossing was constructed prior to 1984.

d) ODNR inspections of the site since 1984 have indicated that there are no problems with this structure.

Stream Crossing at Site "B" Airshaft

a) The existing stream crossing is located at the airshaft which is southeast of Site "A"in the southeast corner of Section 26, T-5, R-4, Washington Township.

b) The existing stream crossing is a 30" diameter C.M.P., 100' long at a 3.3% slope with 5.4' of available headwater.

c) The stream crossing was constructed prior to 1984.

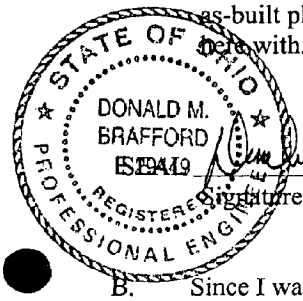
d) ODNR inspections of the site since 1984 have indicated that there are no problems with this structure.

OHIO DEPARTMENT OF NATURAL RESOURCES
DIVISION OF RECLAMATION

CERTIFICATION

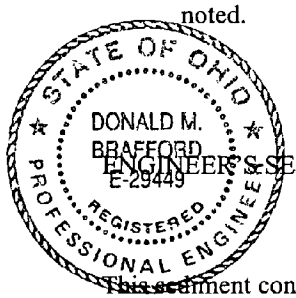
Permitee's Name Bennoc, Inc. Permit D-0425

A. I hereby certify that the measurements of the constructed sediment control system described below are in general conformance to the measurements contained in the as-built plans submitted with the original application, a copy of same being resubmitted here with.



Signature P.E Title (engineer/surveyor) 5-10-01 Date

B. Since I was not on site in 1967 when the sediment control structure was constructed by others, a certification regarding embankment foundation, fill material being free of sod, large roots etc. and the fill being brought up in horizontal layers of adequate thickness as required can not be made. The structure is visibly sound with no know structural problems and it has been monitored for the past 17 years without any problems being noted.



ENGINEER'S SEAL Signature 5-10-01 Date

This sediment control system consists of: Sediment Pond No. 002

AEC 08458

OHIO DEPARTMENT OF NATURAL RESOURCES
DIVISION OF RECLAMATION

ATTACHMENT 20
(EXCAVATED SEDIMENT POND)

Applicant The Youghiogheny & Ohio Coal Company Allison Mine Pond No. 002

1. Pond Drainage Area Data

(a) Drainage area 3.2 Ac.
(b) Disturbed area 1.1 Ac.
(c) Average land slope 17 %
(d) Soil Type Not Applicable
(e) Cover/Condition of undisturbed area Grassland

2. Design Storm Criteria

(a) Method:
(1) SCS method curve number CN 80
(2) Other method (explain in item 7)

(b) 10 yr./24 hr. Storm
(1) Precipitation amount 3.8 in
(2) Peak inflow Q 7.9 cfs (inflow pumping rate is 9,000 GPD maximum)

(c) 25 yr./24 hr. Storm
(1) Precipitation amount 4.3 in.
(2) Peak inflow Q 10.1 cfs (inflow pumping rate is 9,000 GPD maximum)

3. Pond Size (1)

(a) Surface area of pool at exit channel crest 0.09 Ac.
(b) Sediment storage provided below exit channel crest _____ Ac.Ft. Not Applic
(c) Pre-construction land slope of pond site 17 %

4. Pond Dimensions:

(a) If rectangle shape indicate:
(1) Length 175 Ft.
(2) Width 100 Ft.
(3) Depth 5 Ft.

(b) If the pond is not rectangular in shape, provide a plan view of the pond in the space below and indicate average depth in feet.

5. Exit Channel Design/Emergency Spillway Design If Embankment[1]

(a) Width _____Ft.
(b) Design flow depth _____Ft.
(c) Free board _____Ft.
(d) Side Slopes _____H : _____V
(e) Slope of exit channel _____%
(f) Velocity in exit channel _____f.p.s.
(g) Exit channel protection _____

_____

6. Will an earthen embankment be used to increase the capacity of the excavated pond? _____Yes, X No. If "yes", complete the following items:

(a) Maximum height of embankment _____Ft. (See Note)
(b) Minimum top width of embankment _____Ft.
(c) Side slopes of embankment _____H: _____V
(d) Top of embankment elevation _____Ft.
(e) Elevation of emergency spillway _____Ft.
(f) Will a pipe principal spillway be provided? _____Yes, _____No. If "yes", complete the items below.

(1) Diameter of pipe principal spillway _____ Inches
(2) Elevation of pipe principal spillway _____ Ft.
(3) Pipe slope _____ Ft./Ft.
(4) Pipe Length _____Ft.
(5) Type of pipe _____
(6) Outlet protection _____

Note: If the embankment impounds water to a depth greater than three (3) feet at the emergency spillway elevation, then the pond is to be considered an embankment pond and Attachment 21 is to be submitted.

7. Comments

[1] Water is removed from the pond by a 12-inch-diameter CMP.

8. I certify that I designed this pond/was designed under my direction and the design meets the applicable requirements of rule 1501:13-9-04 of the Administrative Code.

March 20, 1984
Date

Signature - Richard G. Almes

STATE OF OHIO
RICHARD G. ALMES
E-35172
REGISTERED PROFESSIONAL ENGINEER

P.E. Seal

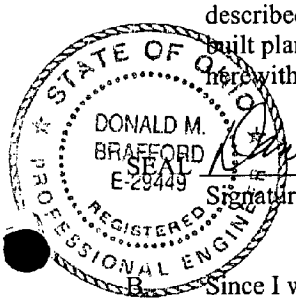
AEC 08460

OHIO DEPARTMENT OF NATURAL RESOURCES
DIVISION OF RECLAMATION

CERTIFICATION

Permittee's Name Bennoc, Inc. Permit D-0425

A. I hereby certify that the measurements of the constructed sediment control system described below are in general conformance to the measurements contained in the as built plans submitted with the original application, a copy of same being resubmitted herewith.



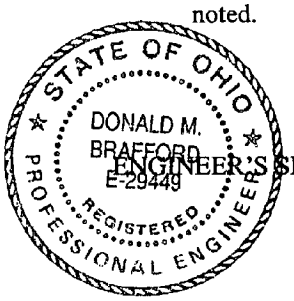
SEAL

Donald M Brafford — Signature

P.E — Title (engineer/surveyor)

4-10-01 — Date

B. Since I was not on site in 1967 when the sediment control structure was constructed by others, a certification regarding embankment foundation, fill material being free of sod, large roots etc. and the fill being brought up in horizontal layers of adequate thickness as required can not be made. The structure is visibly sound with no known structural problems and it has been monitored for the past 17 years without any problems being noted.



ENGINEER'S SEAL

Donald M Brafford — Signature

4-11-01 — Date

This sediment control system consists of: Sediment Pond No. 008

OHIO DEPARTMENT OF NATURAL RESOURCES
DIVISION OF RECLAMATION

ATTACHMENT 21
(EMBANKMENT SEDIMENT POND)

Applicant The Youghiogheny & Ohio Coal Company Allison Mine Pond No. 008

1. Pond Drainage Area Data
   (a) Drainage area 149 Ac.
   (b) Disturbed area 40 Ac.
   (c) Average land slope 10 %
   (d) Soil Type Not Applicable
   (e) Cover/Condition of undisturbed area 1 Foot (min.) Soil Cover, Seeded and Mulched

2. Design Storm Criteria

   (a) Method:
      (1) SCS method curve number CN 75
      (2) Other method (explain in item 6)

   (b) 10 yr./24 hr. Storm
      (1) Precipitation amount 3.8 in.
      (2) Peak inflow Q 50 cfs

   (c) 25 yr./24 hr. Storm
      (1) Precipitation amount 4.5 in.
      (2) Peak inflow Q 65 cfs

3. Pond Size

   (a) Surface area of pool at principal spillway crest 0.9 Ac.

   (b) Dimensions:
      (1) Dam Height 12 Ft.
      (2) Dam Width 10 Ft.(min)
      (3) Dam Length 750 Ft.
      (4) Dam downstream slope 2:1 (horiz. to verti
      (5) Dam upstream slope 2:1 (horiz. to vertica
      (6) Core trench *(1) Ft. x * Ft. x * Ft.

   (c) Sediment storage provided below crest of principal spillway 1.9 Ac Ft

   (d) Embankment elevations:
      (1) Bottom of pond 928
      (2) Stream bed at upstream toe 931
      (3) Principal spillway crest 934
      (4) Emergency spillway crest 932
      (5) Top of embankment 936

(1) Unknown or unavailable information designated by asterik (*).

Attachment 21 Cont.

4. Principal Spillway (1)

(a) Pipe length _____ Ft.
(b) Pipe diameter _____ inches
(c) Pipe slope _____ %
(d) Riser Diameter _____ inches
(e) Riser Height _____ Ft.
(f) Type of pipe _____
(g) Outlet protection _____
(h) Number of antiseep collars _____; spacing along pipe _____ Ft.
(i) Does the design include a trash rack? _____ Yes, _____ No.
(j) Does the design include an anti-vortex device? _____ Yes, _____ No.

5. Emergency Spillway

(a) Base width 40 Ft.
(b) Design flow depth 1.0 Ft.
(c) Exit slope 50 %
(g) Protection measures Riprap
(d) Side slopes 2:1 (horizontal to vertical
(e) Length of level control section 20 ft.
(f) Exit channel velocity 5.5 fps

6. Comments

(1) Principal Spillway:
(a) Base width 25 ft.
(b) Design flow depth 1.0 ft.
(c) Exit slope 50%
(d) Protection measures riprap
(d) Side slopes 2:1 (horizontal to vertical)
(e) Length of level control section 15 ft.
(f) Exit channel velocity 2.6 fps

7. Additional Drainage Controls

8. I hereby certify that [redacted] this pond was designed under my direction and the design meets the applicable requirements of rule 1501: 13-9-04 of the Administrative Code.

MARCH 20 1984
Date

Signature - Richard G. Almes

STATE OF OHIO
RICHARD G. ALMES
E-35172
REGISTERED PROFESSIONAL ENGINEER
Seal

AEC 08463

ODNR

OHIO DEPARTMENT OF NATURAL RESOURCES

MONTHLY REPORT FORM

OhioEPA

Ohio Environmental Protection Agency

COMPANY NAME: BENNOC, INC.			DATE (Mo. Yr.): FEB. 2001 — Page 1 of 1 Pages
MINE LOCATION	COUNTY: BELMONT	TOWNSHIP: WAYNE	OEPA PERMIT NO.: ~~XX~~ OIL0091*ED
SECTION: 3	PIT IDENTIFICATION (IF ANY): ALLISON		ODNR PERMIT NO.: D - 0425

REPORTING LAB: INDUSTRIAL LAB ANALYSIS

ANALYST: B. MANIAR

OUTFALL	DAY	FLOW RATE GALLONS PER DAY (REPORTING CODE 00056)	pH STANDARD UNITS (REPORTING CODE 00400)	TOTAL SUSPENDED SOLIDS MG/L (REPORTING CODE 00530)	IRON TOTAL MG/L (REPORTING CODE 74010)	MANGANESE TOTAL MG/L (REPORTING CODE 74013)	SPECIFIC CONDUCTANCE MICROMHOS (REPORTING CODE 00095)	RAINFALL 24 HR. TOTAL INCHES (REPORTING CODE 00045)	REPORTING CODE	REPORTING CODE
001										
008	7	60,000	7.20	4.0	0.20	0.49	677	0.00		
011	7	AH	7.70					0.00		

NOTE: NUMBER OUTFALL AS NEEDED.
ADDITIONAL REMARKS:

AH - NO DISCHARGE (011)

AH REPORTING CODES MUST BE EXPLAINED
THIS FORM MUST BE TYPED

Discharge of pollutants to waters of the state without an effective permit is prohibited pursuant to 6111.04 and 6111.07 Ohio Revised Code.

DATE REPORT COMPLETED	SIGNATURE OF REPORTER	TITLE OF REPORTER
March 10, 2001	Jack A Hamilton	AUTHORIZED AGENT

EPA 4110 — OEPA COPY—WHITE • ODNR DISTRICT COPY—CANARY • ODNR CENTRAL OFFICE COPY—PINK • OSM COPY—GOLDENROD

AEC 08464

ODNR

OHIO DEPARTMENT OF NATURAL RESOURCES

MONTHLY REPORT FORM

OhioEPA

Ohio Environmental Protection Agency

COMPANY NAME: BENNOC, INC.			DATE (Mo. Yr.): FEB. 2001 — Page 1 of 1 Pages
MINE LOCATION	COUNTY: BELMONT	TOWNSHIP: WAYNE	OEPA PERMIT NO.: ~~XX~~ OIL0091*ED
SECTION: 3	PIT IDENTIFICATION (IF ANY): ALLISON		ODNR PERMIT NO.: D - 0425

REPORTING LAB: INDUSTRIAL LAB ANALYSIS

ANALYST: B. MANIAR

OUTFALL	DAY	FLOW RATE GALLONS PER DAY (REPORTING CODE 00056)	pH STANDARD UNITS (REPORTING CODE 00400)	TOTAL SUSPENDED SOLIDS MG/L (REPORTING CODE 00530)	IRON TOTAL MG/L (REPORTING CODE 74010)	MANGANESE TOTAL MG/L (REPORTING CODE 74013)	SPECIFIC CONDUCTANCE MICROMHOS (REPORTING CODE 00095)	RAINFALL 24 HR. TOTAL INCHES (REPORTING CODE 00045)	REPORTING CODE	REPORTING CODE
001	7									
008	7	60,000	7.20	4.0	0.20	0.49	677	0.00		
011	7	AH	7.70					0.00		

NOTE: NUMBER OUTFALL AS NEEDED.
ADDITIONAL REMARKS:

AH - NO DISCHARGE (011)

AH REPORTING CODES MUST BE EXPLAINED
THIS FORM MUST BE TYPED

Discharge of pollutants to waters of the state without an effective permit is prohibited pursuant to 6111.04 and 6111.07 Ohio Revised Code.

DATE REPORT COMPLETED	SIGNATURE OF REPORTER	TITLE OF REPORTER
March 10, 2001	Jack A Hamilton	AUTHORIZED AGENT

FRA WHITE • ODNR DISTRICT COPY CANARY • ODNR CENTRAL OFFICE COPY—PINK • OSM COPY—GOLDENROD

AEC 08465

ODNR MONTHLY REPORT FORM OhioEPA

OHIO DEPARTMENT OF NATURAL RESOURCES

Ohio Environmental Protection Agency

COMPANY NAME: Bennoc, Inc.			DATE (Mo. Yr.): Jan. 2001 — Page 1 of 1 Pages
MINE LOCATION	COUNTY: Belmont	TOWNSHIP: Wayne	OEPA PERMIT NO.: IP 0IL0091*ED
SECTION: 3	PIT IDENTIFICATION (IF ANY): Allison		ODNR PERMIT NO.: D - 0 4 2 5

REPORTING LAB: Industrial Lab Analysis

ANALYST: B. Maniar

OUTFALL	DAY	FLOW RATE GALLONS PER DAY (00056)	pH STANDARD UNITS (00400)	TOTAL SUSPENDED SOLIDS MG/L (00530)	IRON TOTAL MG/L (74010)	MANGANESE TOTAL MG/L (74013)	SPECIFIC CONDUCTANCE MICROMHOS (00095)	RAINFALL 24 HR. TOTAL INCHES (00045)	REPORTING CODE	REPORTING CODE
008	9	1,500	7.20	4.0	0.17	2.61	1366	0.00		
011	9	AH	8.10					0.00		

NOTE: NUMBER OUTFALL AS NEEDED.
ADDITIONAL REMARKS:

AH - No Discharge (011)

REPORTING CODES MUST BE EXPLAINED
THIS FORM MUST BE TYPED

Discharge of pollutants to waters of the state without an effective permit is prohibited pursuant to 6111.04 and 6111.07 Ohio Revised Code.

DATE REPORT COMPLETED	SIGNATURE OF REPORTER	TITLE OF REPORTER
Feb. 6, 2001		Authorized Agent

EPA 4110 OEPA COPY—WHITE • ODNR DISTRICT COPY—CANARY • ODNR CENTRAL OFFICE COPY—PINK • OSM COPY—GOLDENROD

AEC 08466

ODNR — MONTHLY REPORT FORM — Ohio EPA

OHIO DEPARTMENT OF NATURAL RESOURCES

Ohio Environmental Protection Agency

COMPANY NAME: Bennoc, Inc.			DATE (Mo. Yr.): Dec., 2000
MINE LOCATION	COUNTY: Belmont	TOWNSHIP: Wayne	Page 1 of 1 Pages
SECTION: 3	PIT IDENTIFICATION (IF ANY): Allison		OEPA PERMIT NO.: IP 0IL0091*ED
			ODNR PERMIT NO.: D-014215

REPORTING LAB: Industrial Lab Analysis

ANALYST: B. Maniar

OUTFALL	DAY	FLOW RATE GALLONS PER DAY	pH STANDARD UNITS	TOTAL SUSPENDED SOLIDS MG/L	IRON TOTAL MG/L	MANGANESE TOTAL MG/L	SPECIFIC CONDUCTANCE MICROMHOS	RAINFALL 24 HR. TOTAL INCHES		
		REPORTING CODE 00056	REPORTING CODE 00400	REPORTING CODE 00530	REPORTING CODE 74010	REPORTING CODE 74013	REPORTING CODE 00095	REPORTING CODE 00045	REPORTING CODE	REPORTING CODE
008	26	3,000	7.30	2.0	0.06	1.17	1151	0.00		
011	26	AH	8.60					0.00		

NOTE: NUMBER OUTFALL AS NEEDED.
ADDITIONAL REMARKS:

AH - No Discharge (011)

AH REPORTING CODES MUST BE EXPLAINED
THIS FORM MUST BE TYPED

Discharge of pollutants to waters of the state without an effective permit is prohibited pursuant to 6111.04 and 6111.07 Ohio Revised Code.

DATE REPORT COMPLETED	SIGNATURE OF REPORTER	TITLE OF REPORTER
Jan. 8, 2001		Authorized Agent

EPA 4110 • OEPA COPY—WHITE • ODNR DISTRICT COPY—CANARY • ODNR CENTRAL OFFICE COPY—PINK • OSM COPY—GOLDENROD

AEC 08467

ODNR

OHIO DEPARTMENT OF NATURAL RESOURCES

MONTHLY REPORT FORM

OhioEPA

Ohio Environmental Protection Agency

COMPANY NAME			DATE (Mo. Yr.)	
BENNOC, INC.			~~OCT.~~ NOV. 2000	Page 1 of 1 Pages
MINE LOCATION	COUNTY: BELMONT	TOWNSHIP: WAYNE	OEPA PERMIT NO.	IP OIL0091*ED
SECTION: 3	PIT IDENTIFICATION (IF ANY): ALLISON		ODNR PERMIT NO.	D - 0425

REPORTING LAB: INDUSTRIAL LAB ANALYSIS

ANALYST: B. MANIAR

OUTFALL	DAY	FLOW RATE GALLONS PER DAY (00056)	pH STANDARD UNITS (00400)	TOTAL SUSPENDED SOLIDS MG/L (00530)	IRON TOTAL MG/L (74010)	MANGANESE TOTAL MG/L (74013)	SPECIFIC CONDUCTANCE MICROMHOS (00095)	RAINFALL 24 HR. TOTAL INCHES (00045)	REPORTING CODE	REPORTING CODE
001										
008	7	1,200	8.30	6.0	0.12	0.06	1578	0.14		
011	7	AH	8.80					0.14		

NOTE: NUMBER OUTFALL AS NEEDED.
ADDITIONAL REMARKS:

AH - NO DISCHARGE (011)

AH REPORTING CODES MUST BE EXPLAINED
THIS FORM MUST BE TYPED

Discharge of pollutants to waters of the state without an effective permit is prohibited pursuant to 6111.04 and 6111.07 Ohio Revised Code.

DATE REPORT COMPLETED	SIGNATURE OF REPORTER	TITLE OF REPORTER
DEC. 4, 2000		AUTHORIZED AGENT

EPA 4110 — OEPA COPY - WHITE - ODNR DISTRICT COPY - CANARY - ODNR CENTRAL OFFICE COPY - PINK - OSM COPY - GOLDENROD

AEC 08468

ODNR

OHIO DEPARTMENT OF NATURAL RESOURCES

MONTHLY REPORT FORM

OhioEPA

Ohio Environmental Protection Agency

COMPANY NAME		
BENNOC, INC.		
MINE LOCATION	COUNTY: BELMONT	TOWNSHIP: WAYNE
SECTION: 3	PIT IDENTIFICATION (IF ANY): ALLISON	

DATE (Mo. Yr.)	Page 1 of 1 Pages
OEPA PERMIT NO.	IP OIL0091*ED
ODNR PERMIT NO.	D - 0425

REPORTING LAB: INDUSTRIAL LAB ANALYSIS

ANALYST: B. MANIAR

OUTFALL	DAY	FLOW RATE GALLONS PER DAY (00056)	pH STANDARD UNITS (00400)	TOTAL SUSPENDED SOLIDS MG/L (00530)	IRON TOTAL MG/L (74010)	MANGANESE TOTAL MG/L (74013)	SPECIFIC CONDUCTANCE MICROMHOS (00095)	RAINFALL 24 HR. TOTAL INCHES (00045)	REPORTING CODE	REPORTING CODE
001										
008	10	1,500	8.00	9.0	0.06	0.03	1486	0.00		
011	10	AH						0.00		

NOTE: NUMBER OUTFALL AS NEEDED.
ADDITIONAL REMARKS:

AH - NO DISCHARGE (011)

AH REPORTING CODES MUST BE EXPLAINED
THIS FORM MUST BE TYPED

Discharge of pollutants to waters of the state without an effective permit is prohibited pursuant to 6111.04 and 6111.07 Ohio Revised Code.

DATE REPORT COMPLETED	SIGNATURE OF REPORTER	TITLE OF REPORTER
NOV. 7, 2000		AUTHORIZED AGENT

OEPA COPY—WHITE • ODNR DISTRICT COPY—CANARY • ODNR CENTRAL OFFICE COPY—PINK • OSM COPY—GOLDENROD

AEC 08469

ODNR

OHIO DEPARTMENT OF NATURAL RESOURCES

MONTHLY REPORT FORM

OhioEPA

Ohio Environmental Protection Agency

COMPANY NAME: Bennoc, Inc.

MINE LOCATION: COUNTY: Belmont; TOWNSHIP: Wayne

SECTION: 3

PIT IDENTIFICATION (IF ANY):

DATE (Mo. Yr.): Sept. 2000

OEPA PERMIT NO.: IP OIL0091*ED

ODNR PERMIT NO.: D - 0425

REPORTING LAB: Industrial Lab Analysis

ANALYST: B. Maniar

OUTFALL	DAY	FLOW RATE GALLONS PER DAY REPORTING CODE 00056	pH STANDARD UNITS REPORTING CODE 00400	TOTAL SUSPENDED SOLIDS MG/L REPORTING CODE 00530	IRON TOTAL MG/L REPORTING CODE 74010	MANGANESE TOTAL MG/L REPORTING CODE 74013	SPECIFIC CONDUCTANCE MICROMHOS REPORTING CODE 00095	RAINFALL 24 HR. TOTAL INCHES REPORTING CODE 00045	REPORTING CODE	REPORTING CODE
008	6	1,000	8.00	3.0	0.16	0.03	1221	0.00		
011	6	AH						0.00		

NOTE: NUMBER OUTFALL AS NEEDED.
ADDITIONAL REMARKS:

AH - No Discharge (011)

AH REPORTING CODES MUST BE EXPLAINED
THIS FORM MUST BE TYPED

Discharge of pollutants to waters of the state without an effective permit is prohibited pursuant to 6111.04 and 6111.07 Ohio Revised Code.

DATE REPORT COMPLETED	SIGNATURE OF REPORTER	TITLE OF REPORTER
Oct. 5, 2000		Authorized Agent

EPA 4110 ... OEPA COPY—WHITE • ODNR DISTRICT COPY—CANARY • ODNR CENTRAL OFFICE COPY—PINK • OSM COPY—GOLDENROD

AEC 08470

ODNR

OHIO DEPARTMENT OF NATURAL RESOURCES

MONTHLY REPORT FORM

OhioEPA

Ohio Environmental Protection Agency

COMPANY NAME		
Bennoc, Inc.		
MINE LOCATION	COUNTY: Belmont	TOWNSHIP: Wayne
SECTION: 3	PIT IDENTIFICATION (IF ANY): Allison	

DATE (Mo. Yr.): Aug 2000	Page 1 of 1 Pages
OEPA PERMIT NO.	IP OIL0091*ED
ODNR PERMIT NO.	D - 0 4 2 5

REPORTING LAB: Industrial Lab Analysis

ANALYST: B. Maniar

OUTFALL	DAY	FLOW RATE GALLONS PER DAY (00056)	pH STANDARD UNITS (00400)	TOTAL SUSPENDED SOLIDS MG/L (00530)	IRON TOTAL MG/L (74010)	MANGANESE TOTAL MG/L (74013)	SPECIFIC CONDUCTANCE MICROMHOS (00095)	RAINFALL 24 HR. TOTAL INCHES (00045)	REPORTING CODE	REPORTING CODE
001										
008	2	19,200	7.40	7.0	0.06	0.05	1068	0.01		
011	2	AH						0.01		

NOTE: NUMBER OUTFALL AS NEEDED.
ADDITIONAL REMARKS:

AH - No Discharge (011)

AH REPORTING CODES MUST BE EXPLAINED
THIS FORM MUST BE TYPED

Discharge of pollutants to waters of the state without an effective permit is prohibited pursuant to 6111.04 and 6111.07 Ohio Revised Code.

DATE REPORT COMPLETED	SIGNATURE OF REPORTER	TITLE OF REPORTER
Sept. 6, 2000		Authorized Agent

EPA 4110 OEPA COPY—WHITE • ODNR DISTRICT COPY—CANARY • ODNR CENTRAL OFFICE COPY—PINK • ODH COPY—GOLDENROD

AEC 08471

ODNR

OHIO DEPARTMENT OF NATURAL RESOURCES

MONTHLY REPORT FORM

OhioEPA

Ohio Environmental Protection Agency

COMPANY NAME: BENNOC, INC.			DATE (Mo. Yr.): JULY, 2000 — Page 1 of 1 Pages
MINE LOCATION	COUNTY: BELMONT	TOWNSHIP: WAYNE	OEPA PERMIT NO. IP OIL0091*ED
SECTION: 3	PIT IDENTIFICATION (IF ANY): ALLISON		ODNR PERMIT NO. D - 0425

REPORTING LAB: INDUSTRIAL LAB ANALYSIS

ANALYST: B. MANIAR

OUTFALL	DAY	FLOW RATE GALLONS PER DAY (REPORTING CODE 00056)	pH STANDARD UNITS (REPORTING CODE 00400)	TOTAL SUSPENDED SOLIDS MG/L (REPORTING CODE 00530)	IRON TOTAL MG/L (REPORTING CODE 74010)	MANGANESE TOTAL MG/L (REPORTING CODE 74013)	SPECIFIC CONDUCTANCE MICROMHOS (REPORTING CODE 00095)	RAINFALL 24 HR. TOTAL INCHES (REPORTING CODE 00045)	REPORTING CODE	REPORTING CODE
001										
008	5	10,800	7.90	6.0	0.06	0.08	831	0.00		
011	5	AH	7.50					0.00		

NOTE: NUMBER OUTFALL AS NEEDED.
ADDITIONAL REMARKS:

AH - NO DISCHARGE (011)

AH REPORTING CODES MUST BE EXPLAINED
THIS FORM MUST BE TYPED

Discharge of pollutants to waters of the state without an effective permit is prohibited pursuant to 6111.04 and 6111.07 Ohio Revised Code.

DATE REPORT COMPLETED	SIGNATURE OF REPORTER	TITLE OF REPORTER
AUG. 7, 2000		AUTHORIZED AGENT

EPA 4110 — OEPA COPY - WHITE • ODNR DISTRICT COPY - CANARY • ODNR CENTRAL OFFICE COPY - PINK • GEN COPY - GOLDENROD

AEC 08472

ODNR

OHIO DEPARTMENT OF NATURAL RESOURCES

MONTHLY REPORT FORM

OhioEPA

Ohio Environmental Protection Agency

COMPANY NAME: BENNOC, INC.			DATE (Mo. Yr.): JUNE 2000 — Page 1 of 1 Pages
MINE LOCATION	COUNTY: BELMONT	TOWNSHIP: WAYNE	OEPA PERMIT NO. IP OIL0091*ED
SECTION: 3	PIT IDENTIFICATION (IF ANY): ALLISON		ODNR PERMIT NO. D - 0425

REPORTING LAB: INDUSTRIAL LAB ANALYSIS

ANALYST: I. MANIAR

OUTFALL	DAY	FLOW RATE GALLONS PER DAY (REPORTING CODE 00056)	pH STANDARD UNITS (REPORTING CODE 00400)	TOTAL SUSPENDED SOLIDS MG/L (REPORTING CODE 00530)	IRON TOTAL MG/L (REPORTING CODE 74010)	MANGANESE TOTAL MG/L (REPORTING CODE 74013)	SPECIFIC CONDUCTANCE MICROMHOS (REPORTING CODE 00095)	RAINFALL 24 HR. TOTAL INCHES (REPORTING CODE 00045)	REPORTING CODE	REPORTING CODE
001										
008	6	AH	7.60					0.01		
011	6	AH	7.40					0.01		

NOTE: NUMBER OUTFALL AS NEEDED.
ADDITIONAL REMARKS:

AH - NO DISCHARGE

AH REPORTING CODES MUST BE EXPLAINED
THIS FORM MUST BE TYPED

Discharge of pollutants to waters of the state without an effective permit is prohibited pursuant to 6111.04 and 6111.07 Ohio Revised Code.

DATE REPORT COMPLETED	SIGNATURE OF REPORTER	TITLE OF REPORTER
JULY 10, 2000		AUTHORIZED AGENT

EPA 4110 • OEPA COPY—WHITE • ODNR DISTRICT COPY—CANARY • ODNR CENTRAL OFFICE COPY—PINK • OSM COPY—GOLDENROD

AEC 08473

ODNR

OHIO DEPARTMENT OF NATURAL RESOURCES

MONTHLY REPORT FORM

OhioEPA

Ohio Environmental Protection Agenc

COMPANY NAME: BENNOC, INC.

MINE LOCATION	COUNTY	TOWNSHIP
	BELMONT	WAYNE
SECTION: 3	PIT IDENTIFICATION (IF ANY): ALLISON	

DATE (Mo. Yr.): MAY 2000 — Page 1 of 1 Pages

OEPA PERMIT NO. IP OIL0091*ED

ODNR PERMIT NO. D - 0 4 2 5

REPORTING LAB: INDUSTRIAL LAB ANALYSIS

ANALYST: ILA MANIAR

OUTFALL	DAY	FLOW RATE GALLONS PER DAY (REPORTING CODE 00056)	pH STANDARD UNITS (REPORTING CODE 00400)	TOTAL SUSPENDED SOLIDS MG/L (REPORTING CODE 00530)	IRON TOTAL MG/L (REPORTING CODE 74010)	MANGANESE TOTAL MG/L (REPORTING CODE 74013)	SPECIFIC CONDUCTANCE MICROMHOS (REPORTING CODE 00095)	RAINFALL 24 HR. TOTAL INCHES (REPORTING CODE 00045)	REPORTING CODE	REPORTING CODE
008	3	AH	7.80					0.00		
011	3	AH	7.80					0.00		

NOTE: NUMBER OUTFALL AS NEEDED.
ADDITIONAL REMARKS:

AH - NO DISCHARGE

REPORTING CODES MUST BE EXPLAINED
THIS FORM MUST BE TYPED

Discharge of pollutants to waters of the state without an effective permit is prohibited pursuant to 6111.04 and 6111.07 Ohio Revised Code.

DATE REPORT COMPLETED	SIGNATURE OF REPORTER	TITLE OF REPORTER
June 9, 2000	Jack A Hamlin	AUTHORIZED AGENT

EPA 4110 • OEPA COPY—WHITE • ODNR DISTRICT COPY—CANARY • ODNR CENTRAL OFFICE COPY—PINK • OSM COPY—GOLDENROD

AEC 08474

ODNR

OHIO DEPARTMENT OF NATURAL RESOURCES

MONTHLY REPORT FORM

OhioEPA

Ohio Environmental Protection Agency

COMPANY NAME: BENNOC, INC.			DATE (Mo. Yr.): APR 2000 — Page 1 of 1 Pages
MINE LOCATION	COUNTY: BELMONT	TOWNSHIP: WAYNE	OEPA PERMIT NO.: IP OIL0091*ED
SECTION: 3	PIT IDENTIFICATION (IF ANY): ALLISON		ODNR PERMIT NO.: D 0 4 2 5

REPORTING LAB: INDUSTRIAL LAB ANALYSIS

ANALYST: B. MANIAR

OUTFALL	DAY	FLOW RATE GALLONS PER DAY (REPORTING CODE 00056)	pH STANDARD UNITS (REPORTING CODE 00400)	TOTAL SUSPENDED SOLIDS MG/L (REPORTING CODE 00530)	IRON TOTAL MG/L (REPORTING CODE 74010)	MANGANESE TOTAL MG/L (REPORTING CODE 74013)	SPECIFIC CONDUCTANCE MICROMHOS (REPORTING CODE 00095)	RAINFALL 24 HR. TOTAL INCHES (REPORTING CODE 00045)	REPORTING CODE	REPORTING CODE
001										
008	5	43,200	8.43	12.0	0.16	0.05	678	0.00		
011	12	18,000	7.69	24.0	0.85	0.04	356	0.39		

NOTE: NUMBER OUTFALL AS NEEDED.
ADDITIONAL REMARKS:

AH REPORTING CODES MUST BE EXPLAINED
THIS FORM MUST BE TYPED

Discharge of pollutants to waters of the state without an effective permit is prohibited pursuant to 6111.04 and 6111.07 Ohio Revised Code.

DATE REPORT COMPLETED	SIGNATURE OF REPORTER	TITLE OF REPORTER
May 12, 2000		AUTHORIZED AGENT

EPA 4110 — OEPA COPY—WHITE • ODNR DISTRICT COPY—CANARY • ODNR CENTRAL OFFICE COPY—PINK • OSM COPY—GOLDENROD

AEC 08475

ODNR

OHIO DEPARTMENT OF NATURAL RESOURCES

MONTHLY REPORT FORM

OhioEPA

Ohio Environmental Protection Agency

COMPANY NAME: BENNOC, INC.			DATE (Mo. Yr.): MAR. 2000 — Page 1 of 1 Pages
MINE LOCATION	COUNTY: BELMONT	TOWNSHIP: WAYNE	OEPA PERMIT NO.: IP OIL0091*ED
SECTION: 3	PIT IDENTIFICATION (IF ANY): ALLISON		ODNR PERMIT NO.: D - 0425

REPORTING LAB: INDUSTRIAL LAB ANALYSIS

ANALYST: B. MANIAR

OUTFALL	DAY	FLOW RATE GALLONS PER DAY (REPORTING CODE 00056)	pH STANDARD UNITS (REPORTING CODE 00400)	TOTAL SUSPENDED SOLIDS MG/L (REPORTING CODE 00530)	IRON TOTAL MG/L (REPORTING CODE 74010)	MANGANESE TOTAL MG/L (REPORTING CODE 74013)	SPECIFIC CONDUCTANCE MICROMHOS (REPORTING CODE 00095)	RAINFALL 24 HR. TOTAL INCHES (REPORTING CODE 00045)	REPORTING CODE	REPORTING CODE
001										
008	7	43,800	8.01	<2.0	0.15	0.08	724	0.00		
011	7	AH	8.00					0.00		

NOTE: NUMBER OUTFALL AS NEEDED.
ADDITIONAL REMARKS:

AH - NO DISCHARGE (011)

ALL REPORTING CODES MUST BE EXPLAINED
THIS FORM MUST BE TYPED

Discharge of pollutants to waters of the state without an effective permit is prohibited pursuant to 6111.04 and 6111.07 Ohio Revised Code.

DATE REPORT COMPLETED	SIGNATURE OF REPORTER	TITLE OF REPORTER
APRIL 4, 2000		AUTHORIZED AGENT

EPA 4110 — OEPA COPY—WHITE • ODNR DISTRICT COPY—CANARY • ODNR CENTRAL OFFICE COPY—PINK • OSM COPY—GOLDENROD

AEC 08476

ODNR

DEPARTMENT OF NATURAL RESOURCES

MONTHLY REPORT FORM

OhioEPA

Ohio Environmental Protection Agency

COMPANY NAME: BENNOC, INC.			DATE (Mo. Yr.): FEB. 2000 — Page 1 of 1 Pages
MINE LOCATION	COUNTY: BELMONT	TOWNSHIP: WAYNE	OEPA PERMIT NO. IP: OIL0091*ED
SECTION: 3	PIT IDENTIFICATION (IF ANY): ALLISON		ODNR PERMIT NO.: D - 0425

REPORTING LAB: INDUSTRIAL LAB ANALYSIS

ANALYST: B. MANIAR

OUTFALL	DAY	FLOW RATE GALLONS PER DAY (00056)	pH STANDARD UNITS (00400)	TOTAL SUSPENDED SOLIDS MG/L (00530)	IRON TOTAL MG/L (74010)	MANGANESE TOTAL MG/L (74013)	SPECIFIC CONDUCTANCE MICROMHOS (00095)	RAINFALL 24 HR. TOTAL INCHES (00045)	REPORTING CODE	REPORTING CODE
001										
008	1	34,550	7.59	3.0	0.18	0.14	1451	0.02		
	1	AH	8.50					0.02		

NOTE: NUMBER OUTFALL AS NEEDED.
ADDITIONAL REMARKS:

AH - No Discharge (011)

AH REPORTING CODES MUST BE EXPLAINED
THIS FORM MUST BE TYPED

Discharge of pollutants to waters of the state without an effective permit is prohibited pursuant to 6111.04 and 6111.07 Ohio Revised Code.

DATE REPORT COMPLETED	SIGNATURE OF REPORTER	TITLE OF REPORTER
March 7, 2000		Authorized Agent

EPA 4110 . . . OEPA COPY—WHITE • ODNR DISTRICT COPY—CANARY • ODNR CENTRAL OFFICE COPY—PINK • OSM COPY—GOLDENROD

AEC 08477

ODNR

OHIO DEPARTMENT OF NATURAL RESOURCES

MONTHLY REPORT FORM

OhioEPA

Ohio Environmental Protection Agency

[redacted]NY NAME: BENNOC, INC.			DATE (Mo. Yr.): JAN. 2000 — Page 1 of 1 Pages
MINE LOCATION	COUNTY: BELMONT	TOWNSHIP: WAYNE	OEPA PERMIT NO.: IP OIL0091*ED
SECTION: 3	PIT IDENTIFICATION (IF ANY): ALLISON		ODNR PERMIT NO.: D - 0425

REPORTING LAB: INDUSTRIAL LAB ANALYSIS

ANALYST: B. MANIAR

OUTFALL	DAY	FLOW RATE GALLONS PER DAY REPORTING CODE 00056	pH STANDARD UNITS REPORTING CODE 00400	TOTAL SUSPENDED SOLIDS MG/L REPORTING CODE 00530	IRON TOTAL MG/L REPORTING CODE 74010	MANGANESE TOTAL MG/L REPORTING CODE 74013	SPECIFIC CONDUCTANCE MICROMHOS REPORTING CODE 00095	RAINFALL 24 HR. TOTAL INCHES REPORTING CODE 00045	REPORTING CODE	REPORTING CODE
08	25	27,400	7.62	4.0	0.15	0.28	1310	0.01		
11	4	AH	7.40					0.14		

NOTE: NUMBER OUTFALL AS NEEDED.
ADDITIONAL REMARKS:

AH - NO DISCHARGE (011)

ALL REPORTING CODES MUST BE EXPLAINED
THIS FORM MUST BE TYPED

Discharge of pollutants to waters of the state without an effective permit is prohibited pursuant to 6111.04 and 6111.07 Ohio Revised Code.

DATE REPORT COMPLETED	SIGNATURE OF REPORTER	TITLE OF REPORTER
FEBRUARY 8, 2000	[redacted]	AUTHORIZED AGENT

EPA 2110 — OEPA COPY—WHITE — ODNR DISTRICT COPY—CANARY — ODNR CENTRAL OFFICE COPY—PINK — OSM COPY—GOLDENROD

AEC 08478

B. (2) Are any existing structures proposed to be modified or reconstructed for use in connection with or to facilitate the coal mining and reclamation operation? __X__ Yes, _____ No. If "yes," submit as an addendum to the permit application, a compliance plan for each structure. The plan shall include the information required by paragraph (B) (2) of rule 1501:13-4-14 of the Administrative Code.
SEE ATTACHMENT 20 FOR POND 011. POND 011 WAS MODIFIED FEBRUARY 4, 1998 UNDER PERMIT D-1159.

C. BLASTING-**Permit Area**

Will blasting occur within 25 feet of the surface during shaft and portal development or other on-site development? _____ Yes, __X__ No. If "yes," submit Attachment 29.

D. RECLAMATION PLAN - GENERAL REQUIREMENTS-**Permit Area** (Item D.12)-**Permit, Shadow, and Adjacent Area)**

(1) Provide a detailed timetable for the completion of backfilling and grading for each mining year.
SEE ADDENDUM TO PART 3, PAGE 24, ITEMS D(1-6a)

(2) Provide a detailed timetable for the completion of resoiling for each mining year.
SEE ADDENDUM TO PART 3, PAGE 24, ITEMS D(1-6a)

(3) Provide a detailed timetable for the completion of planting for each mining year.
SEE ADDENDUM TO PART 3, PAGE 24, ITEMS D(1-6a)

(4) Describe the plan for backfilling, compacting and grading of the disturbed permit area, including the disposal of all mine generated debris.
SEE ADDENDUM TO PART 3, PAGE 24, ITEMS D(1-6a)

(5) Submit an addendum describing the plan for the removal, storage, redistribution and stabilization of topsoil, subsoil, or approved alternative resoiling material to meet the requirements of rule 1501:13-9-03 of the Administrative Code. If an alternative resoiling material is to be used, submit Attachment 19.

SEE ADDENDUM TO PART 3, PAGE 24, ITEMS D(5)

(6) Provide the following information for the revegetation plan:

(a) Schedule for revegetation to include planting of temporary vegetation.

SEE ADDENDUM TO PART 3, PAGE 24, ITEMS D(1-6a)

Addendum To Part 3, Page 24, Item D (1-6a)
Bennoc, Inc.

(1) The existing surface permit D-0425 site will be utilized to facilitate the underground mining operation associated with Application D-0425-1. It is anticipated that it will take a minimum of approximately 10 years to mine the reserves at this site. Immediately after initial construction of the conveyor system and facilities, seeding will be initiated to control runoff and erosion. After mining is completed, all mine related facilities existing at this site will be removed. Backfilling and grading will begin immediately following the removal of each existing mine related facility within the surface permit area. *It is anticipated that any necessary backfilling and grading, the removal of mine facilities, and total reclamation will be completed within approximately 2 years following the completion of mining. Existing stream crossings will remain permanent.*

(2) Resoiling will commence and be completed on graded areas during the first appropriate planting/growing season unless precluded by climatic conditions, upon final abandonment of the mining activities.

(3) Permanent seeding will follow resoiling operations within 30 days, and in accordance with the approved planting plan, unless precluded by climatic conditions, upon final abandonment of the mining activities..

(4) Soil stabilization will be accomplished by prompt revegetation or, if necessary, other soil stabilization practices. All final grading and placement of topsoil shall be done along the contour to minimize erosion and instability. Any mine generated debris will be removed and disposed of properly.

(6a) Temporary vegetation will be planted immediately after resoiling, and permanent vegetation will be planted within 30 days following resoiling.

ADDENDUM TO PART 3, PAGE 24, ITEM D (5)
BENNOC, INC.

PERMIT D-1159 IS A SURFACE PERMIT CURRENTLY HELD BY BENNOC, INC. WHICH OVERLAPS THE D-0425 SURFACE PERMIT AREA. PRIOR TO PERMIT D-1159 BEING FINALIZED, AN ADEQUATE AMOUNT OF SUBSOIL WILL BE SALVAGED FROM PERMIT D-1159, HAULED TO PERMIT D-0425 AND STOCKPILED, AND WILL BE UTILIZED FOR RESOILING ON PERMIT D-0425 FOLLOWING ABANDONMENT OF MINING OPERATIONS ON APPLICATION D-0425-1. APPROPRIATE AREAS MAY BE IBR'ED FROM PERMIT D-1159 TO PERMIT D-0425, WHEN PERMIT D-1159 IS FINALIZED, FOR SUBSOIL PILE STORAGE.

SUBSOIL STORAGE AREAS WILL BE ON STABLE AREAS WITHIN THE PERMIT AND WILL NOT BE DISTURBED OR EXPOSED TO EXCESSIVE WATER, WIND EROSION, UNNECESSARY COMPACTION AND CONTAMINATION BY UNDESIRABLE MATERIALS. WIND AND WATER EROSION WILL BE PREVENTED BY THE USE OF AN EFFECTIVE COVER OF NON-NOXIOUS, QUICK GROWING ANNUAL AND PERENNIAL VEGETATION, SEEDED OR PLANTED DURING THE FIRST NORMAL PERIOD AFTER REMOVAL FOR FAVORABLE PLANTING CONDITIONS. CONTAMINATION OF THE STORAGE AREAS WILL BE PREVENTED BY THE USE OF DIVERSION DITCHES AND SELECTIVE PLACEMENT OF MATERIAL AWAY FROM POSSIBLE TOXIC AREAS.

REDISTRIBUTION WILL BE ACHIEVED BY HAULING OR PUSHING ALL SUBSOIL FROM THE STORAGE AREAS. A UNIFORM THICKNESS OF AT LEAST SIX INCHES WILL BE DISTRIBUTED. EXCESSIVE COMPACTION WILL BE AVOIDED BY NOT REDISTRIBUTING EXTREMELY WET SOILS, PREVENTING EQUIPMENT FROM CONTINUALLY RETRACING THEIR TRACKS AND DISCING BETWEEN APPLICATIONS IF PLACING OF SUBSOIL MATERIAL RESULTS IN OVER COMPACTION. DIVERSION DITCHES, ESTABLISHMENT OF PROMPT VEGETATION AND A SUITABLE MULCH AND/OR OTHER STABILITY PRACTICES WILL BE USED ON ALL RESOILED AREAS PER RULE 1501:13-9-15(E)(1).

THE AVERAGE THICKNESS OF SUBSOIL WITHIN THE D-1159 PERMIT IS THIRTY SEVEN INCHES ON FLATTER SLOPES. THIS THICKNESS WAS DETERMINED BY THE UNITED STATES DEPARTMENT OF AGRICULTURE, SOIL CONSERVATION SERVICE, DIGGING MANY HOLES TO STUDY SOIL PROFILES TO COMPILE THE SOIL SURVEY OF BELMONT COUNTY, OHIO.

D. (6) (b) List the species and amounts per acre of seeds and seedlings to be used.

SEE ATTACHED ADDENDUM TO THIS ITEM.

(c) Describe the methods to be used in planting and seeding.

SEE ATTACHED ADDENDUM TO THIS ITEM.

(d) Describe the mulching techniques.
SEE ORIG. PERMIT D-0425, PART 3, PAGE 11.

(7) Describe the soil testing plan for evaluation of the results of topsoil handling and reclamation procedures related to revegetation.

THE SOIL TESTING PLAN WILL CONSIST OF COLLECTING REPRESENTATIVE SAMPLES BY PROBING THE RESOILED AREA TO ACHIEVE COMPOSITE SAMPLES AND THICKNESS. SOIL SAMPLES WILL BE TESTED BY AN APPROVED LAB TO DETERMINE LIME AND FERTILIZER RECOMENDATIONS FOR GRASS-LEGUME ESTABLISHMENT.

(8) Submit an addendum describing the measures to be employed to handle and place acid or toxic-forming materials in accordance with paragraph (J) of rule 1501:13-9-04, and paragraph(J) of rule 1501:13-9-14 of the Administrative Code.

SEE ADDENDUM TO PART 3, PAGE 25, ITEM D(8)

(9) Describe the measures, including appropriate cross-sections and maps, to be used to plug, case or manage mine openings or bore holes other than those entries utilized to gain access to the underground workings, pursuant to rule 1501:13-9-02 of the Administrative Code.

SEE ORIGINAL PERMIT D-0425, PART 3, PAGE 12, ITEM 13.

(10) Is the reclamation plan consistent with local physical, environmental, and climatological conditions?
__X__ Yes, _____ No.

(11) Identify any other applicable air and water quality laws and regulations and health and safety standards and describe the steps to be taken to comply with each.

APPROPRIATE STEPS ARE TAKEN TO COMPLY WITH THE MINE SAFETY AND HEALTH ACT, CHAPTER 1521 O.R.C., AND STATE AND FEDERAL E.P.A. REGULATIONS. D-0425 IS CURRENTLY COVERED BY INDIVIDUAL NPDES PERMIT OIL00092, AND NPDES/STORMWATER PERMIT OGR00014.

(12) Submit an addendum describing the plan for minimizing to the extent possible and using the best technology currently available disturbances and adverse impacts of the operation on fish and wildlife and related environmental values and achieving enhancement of such resources where practical for the permit, shadow, and adjacent areas.

SEE ADDENDUM TO PART 3, PAGE 25, D(12)

ADDENDUM TO PART 3, ITEM D(6)(b), BENNOC, INC.

UNDEVELOPED LAND

SPECIES	TREES & SHRUBS
5 LBS/AC. PERENNIAL RYEGRASS	1 LB/AC. GREEN ASH
5 LBS/AC. BIRDSFOOT TREFOIL	1 LB/AC. SILKY DOGWOOD
10 LBS/AC. FOXTAIL MILLET	1 LB/AC. INDIGO BUSH
5 LBS/AC. LADINO CLOVER	0.25 LB/AC. VIRGINIA PINE
	0.5 LB/AC. BLACK LOCUST

(30 - 50% OF THE UNDEVELOPED AREA WILL BE TREES AND SHRUBS)

ADDENDUM TO PART 3, ITEM D(6)(c)

AFTER RESOILING IS COMPLETED, THE AREA WILL BE DISCED, SWEPT, ROCKS REMOVED, REDISCED AND GRAIN DRILLED.

ADDENDUM TO PART 3, PAGE 25, ITEM D(8)

Due to the fact that only minimal disturbance may be necessary at this site, acid or toxic-forming materials should not be encountered. Should any acid or toxic-forming materials be encountered, they will be kept outside of natural and constructed drainageways , and isolated so as to minimize contact with water. The isolated materials will be trucked off-site to Permit D-0360 which has an approved waste disposal site. See letter from The Ohio Valley Coal Company allowing for disposal of these materials within their approved disposal area, labeled as an addendum to this item.

ADDENDUM TO PART 3, PAGE 25, ITEM D(8),

BENNOC, INC.

John R. Forrelli
President & General Manager

January 20, 2001

Mr. Michael L. Sponsler
Chief
Ohio Department of Natural Resources
1855 Fountain Square Court
Building H-2
Columbus, Ohio 43224-1360

Dear Mr. Sponsler:

As the manager of The Ohio Valley Coal Company's Ohio Department of Natural Resources ("ODNR") Permit D-0360, I hereby state that the existing approved coal waste disposal site contained within Permit D-0360 can accommodate approximately 20,000 tons or more, if needed, of waste material generated during mine development and routine cleaning of the coal stock piles and conveyor belt areas on Bennoc, Inc.'s D-0425 reactivated permit area.

Sincerely,

THE OHIO VALLEY COAL COMPANY

John R. Forrelli
President and General Manager

JRF/bjb

56854 PLEASANT RIDGE ROAD • ALLEDONIA OHIO 43902
(740) 926-1351 • FAX (740) 926-1615

ADDENDUM TO PART 3, PAGE 25, ITEM D(12)
BENNOC, INC.

Adverse impacts from this mining operation on fish, wildlife and related environmental values will be minimized by disturbing the smallest area practical. Planting of the recommended grasses and applying recommended soil nutrients to ensure prompt, successful growth over the reclaimed areas will provide food and forage areas. Tree lines along the undisturbed portions of the proposed permit will provide travel lanes and cover for wildlife. The existence of sediment ponds provides a natural habitat for wildlife while the mining activities are ongoing. Once final reclamation has been completed, the seeded areas will provide a suitable mixture of open areas for food and the natural undisturbed woods and brushlands for cover to ensure the successful return of wildlife to the area. Pond 011 will remain permanent, thus creating aquatic habitat and a permanent wildlife watering source. All ponds will meet EPA NPDES effluent limitation requirements so the areas below the proposed operation will not be affected.

E. RECLAMATION PLAN - PROTECTION OF HYDROLOGIC BALANCE-**Permit and Adjacent Area**

Submit an addendum describing the measures to be taken during and after the proposed mining operations to:

(1) Minimize disturbance to the hydrologic balance, including quality and quantity, within the permit and adjacent areas and to prevent material damage outside the permit area;

(2) protect the rights of present users of surface and ground water;

(3) avoid acid or toxic drainage.

SEE PA25 FOR ORIGINAL PERMIT D-0425

F. GROUND WATER AND SURFACE WATER MONITORING PLAN-**Permit and Shadow Area**

Based upon the probable hydrologic consequences determination and analysis of all baseline hydrologic, geologic, and other information submitted in this application, address the following items in accordance with paragraph (F) of rule 1501:13-4-14 and paragraph (N) of rule 1501:13-9-04 of the Administrative Code.

(1) In addition to the quality and quantity parameters required for quarterly monitoring and NPDES monitoring, will any other parameters be monitored?
_____ Yes, __X__ No. If "yes," indicate the parameter(s) and the site(s) where such monitoring will occur.

(2) Do you propose or anticipate the need for a variation in the required monitoring frequency for ground and surface water sites and monthly monitoring for NPDES?
_____ Yes, __X__ No. If "yes," describe the variation in frequency and the monitoring sites to be affected.

(3) Describe the plan for collection, recording, and reporting of all surface and ground water quality and quantity monitoring data, including data collected for the NPDES program.

SURFACE WATER WAS MONITORED PRIOR TO MINING, AND CONTINUES TO DATE, AND WILL CONTINUE FOR THE LIFE OF THE PERMIT. UPSTREAM AND DOWNSTREAM MONITORING OF PINEY CREEK IN THE IMMEDIATE VICINITY OF D-0425 IS CURRENTLY BEING PERFORMED FOR PERMIT D-1159. UPSTREAM AND DOWNSTREAM MONITORING OF CAPTINA CREEK WILL BE INITIATED TO COVER THE AREA NEAR THE CLEAN COAL SILO WHEN THIS ARP IS APPROVED. GROUND WATER SHOULD NOT BE AFFECTED BY THE PROPOSED SURFACE PERMIT AREA ACTIVITIES. QUALITY AND QUANTITY INFORMATION WILL BE OBTAINED FROM APPROVED SURFACE MONITORING STATIONS AND REPORTED QUARTERLY TO THE DIVISION OF MINERAL RESOURCES MANAGEMENT. *(NO QUARTERLY MONITORING IS CURRENTLY REQUIRED BY ODNR FOR PERMIT D-0425. SEE ATTACHED ADDENDUM.)* SURFACE WATER DISCHARGE WILL BE MONITORED IN ACCORDANCE WITH NPDES REQUIREMENTS. PONDS WILL BE MONITORED WEEKLY FOR pH AND ALL OTHER FACTORS MONTHLY. THE ANALYTICAL RESULTS AND FLOW DATA WILL BE REPORTED MONTHLY TO THE OHIO EPA. THE OHIO EPA WILL RECEIVE THE WHITE COPY (COPY ATTACHED) AND ALL OTHER COPIES WILL BE SENT TO ODNR, DIVISION OF MINERAL RESOURCES MANAGEMENT, APPROPRIATE DISTRICT OFFICE.

THE QUARTERLY MONITORING REPORT SHEET WILL BE SUBMITTED (COPY ATTACHED) TO THE DIVISION OF MINERAL RESOURCES MANAGEMENT, APPROPRIATE DISTRICT OFFICE.

ADDENDUM TO PART 3, PAGE 26, ITEM F(3), BENNOC, INC.

Inspector

F
5-84

Permit No. D 0425

STATE OF OHIO
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF RECLAMATION

RECEIVED
OCT 30 1984
DIVISION OF
RECLAMATION
ST. CLAIRSVILLE

Coal Mining & Reclamation Permit

Issued to: THE YOUGHIOGHENY & OHIO COAL COMPANY

P.O. BOX 1000

ST. CLAIRSVILLE, OHIO 43950

Phone Number (614) 695-4117
AREA CODE

Application No. 0277

Acreage 45.0

Effective 10/22/84

Expires 10/21/89

Type of Operation: _____ Surface XX Underground _____ Other _____

LOCATION OF PERMIT AREA

Names of Landowners	T-___,R-___	Sec.	Lot	Township	County
The Youghiogheny & Ohio Coal Company	T-6, R-5	3,4		Wayne	Belmont

This permit is issued in accordance with and subject to the provisions, conditions, and limitations of Chapter 1513 of the Revised Code and Chapters 1501:13-1, 1501:13-3 through 1501:13-14 of the Administrative Code.

The approved water monitoring plan for this permit is:

Monitor for quality at: Not required

Monitor for quantity at: Not required

October 22, 1984
Date

Chief, Division of Reclamation

AEC 08488

ODNR ADDENDUM TO PART 3, ITEM F(3) BENNOC, INC.
MONTHLY REPORT FORM

OHIO DEPARTMENT OF NATURAL RESOURCES

OhioEPA

Ohio Environmental Protection Agenc

COMPANY NAME			DATE (Mo. Yr.)
MINE LOCATION	COUNTY	TOWNSHIP	Page of Pages
SECTION	PIT IDENTIFICATION (IF ANY)		OEPA PERMIT NO. IP
			ODNR PERMIT NO.

REPORTING LAB | ANALYST

OUTFALL	DAY	FLOW RATE GALLONS PER DAY REPORTING CODE 00056	pH STANDARD UNITS REPORTING CODE 00400	TOTAL SUSPENDED SOLIDS MG/L REPORTING CODE 00530	IRON TOTAL MG/L REPORTING CODE 74010	MANGANESE TOTAL MG/L REPORTING CODE 74013	SPECIFIC CONDUC-TANCE MICROMHOS REPORTING CODE 00095	RAINFALL 24 HR. TOTAL INCHES REPORTING CODE 00045	REPORTING CODE	REPORTING COD
001										

NOTE: NUMBER OUTFALL AS NEEDED.
ADDITIONAL REMARKS:

ALL REPORTING CODES MUST BE EXPLAINED
THIS FORM MUST BE TYPED

Discharge of pollutants to waters of the state without an effective permit is prohibited pursuant to [illegible] and [illegible] Revised Code.

DATE REPORT COMPLETED	SIGNATURE OF REPORTER	TITLE OF REPORTER

EPA [illegible] OEPA COPY - WHITE - ODNR DISTRICT COPY - CANARY - GOLD

AEC 08489

ADDENDUM TO PART 3, ITEM F(3), BENNOC, INC.
OHIO DEPARTMENT OF NATURAL RESOURCES
DIVISION OF RECLAMATION

Quarterly Monitoring Report Sheet
(Submit in Quadruplicate)

Permittee _____, Permit Number _____

____ 1st Qtr., ____ 2nd Qtr., ____ 3rd Qtr., ____ 4th Qtr., (✓ appropriate blar

____ Pre-mining, ___ Mining, ___ Postmining, (✓ appropriate blank for mine statu

Monitoring Site ID No. (e.g. S-1, W-3)					
State Plane X-Y Coordinates	X _____ Y _____	X _____ Y _____	X _____ Y _____	X _____ Y _____	X _____ Y _____
Surface Elevation of Monitoring Site					
Indicate Whether Site was Monitored for Quality, Quantity, or Both					
Depth of Well Below Land Surface (feet)					
Static Water Level of Well Below Land Surface (feet)					
ream or Spring Discharge cfs or gpm)					
Date Measured					
pH (Standard Units)					
Total Acidity (mg/l $CaCO_3$)					
Total Alkalinity (mg/l $CaCO_3$)					
Total Iron (mg/l)					
Total Manganese (mg/l)					
Total Suspended Solids (mg/l)					
Total Hardness (mg/l $CaCO_3$)					
Total Sulfates (mg/l)					
Specific Conductance (at 25° C in μmhos/cm)					

Permittee's Signature	Date

oratory Name

Analyst's Signature	Date

BENNOC, INC.

ADDENDUM TO PART 3, ITEM E(3) (Page 2 of 2)
N.S.P.S.
(NEW SOURCE PERFORMANCE STANDARDS)

FINAL EFFLUENT LIMITATIONS
EFFECTIVE AFTER JUNE 3, 1997

	pH	T.S.S. in mg/l 30 Day/Daily	Fe in mg/l 30 Day/Daily	Mn in mg/l 30 Day/Daily	S.S. in ml/l
1. Discharge from underground workings of underground mines - not commingled	6.5-9.0	35.0 / 70.0	1.4 / 6.0	2.0 / 4.0	
2. Discharge from underground workings of underground mines - commingled					
a) less than or equal to 10 Yr/24Hr	6.5-9.0	35.0 / 70.0	1.4 / 6.0	2.0 / 4.0	
b) greater than 10 Yr/24 Hr	6.5-9.0				
3. Controlled surface mine drainage					
a) less than or equal to 10 Yr/24Hr	6.5-9.0	35.0 / 70.0	1.4 / 6.0	2.0 / 4.0	
b) greater than 10 Yr/24 Hr	6.5-9.0				
4. Non-controlled surface mine drainage (except steep slope and mountaintop removal)					
a) no precipitation 24 Hr.	6.5-9.0	35.0 / 70.0	1.4 / 6.0	2.0 / 4.0	
b) less than 2 Yr/24 Hr	6.5-9.0		1.4 / 7.0		0.5
c) greater than 2 Yr/24 Hr less than or equal to 10 Yr/24 Hr	6.5-9.0		1.4 /		0.5
d) greater than 10 Yr/24 Hr	6.5-9.0				
5. Discharge from coal refuse disposal piles					
a) less than or equal to 1 Yr/24 Hr	6.5-9.0	35.0 / 70.0	1.4 / 6.0	2.0 / 4.0	
b) greater than 1 Yr/24 Hr less than or equal to 10 Yr/24 Hr	6.5-9.0				0.5
c) greater than 10 Yr/24 Hr	6.5-9.0				
6. Discharge from steep slope and mountaintop removal area					
a) no precipitation 24 Hr.	6.5-9.0	35.0 / 70.0	1.4 / 6.0	2.0 / 4.0	
b) less than 10 Yr/24 Hr	6.5-9.0		1.4 /		0.5
c) greater than 10 Yr/24 Hr	6.5-9.0				
7. Discharges from preparation plant associated areas (excluding coal refuse piles) and preparation plants					
a) no precipitation 24 Hr.	6.5-9.0	35.0 / 70.0	1.4 / 6.0	2.0 / 4.0	
b) less than 10 Yr/24 Hr	6.5-9.0				0.5
c) greater than 10 Yr/24 Hr	6.5-9.0				
8. Discharges from Reclamation Areas					
a) less than 10 Yr/24 Hr	6.5-9.0				0.5
b) greater than 10 Yr/24 Hr	6.5-9.0				

G. DIVERSIONS AND DRAINAGE CONTROLS-**Permit Area**

(1) Will the proposed coal mining activities result in diversions of overland flow away from the disturbed areas? _____ Yes, __X__ No. If "yes," describe, including maps and cross sections, the diversion to be constructed to achieve compliance with paragraph (I) of rule 1501:13-4-14 of the Administrative Code.

(2) Will the proposed coal mining activities result in the diversion of intermittent or perennial streams within the proposed permit area? _____ Yes, __X__ No. If "yes," describe, including maps and cross sections, the diversions to be constructed to achieve compliance with paragraph (I) of rule 1501:13-4-14 of the Administrative Code.

(3) Will the proposed coal mining activities result in construction of diversions to direct runoff through a sediment pond or a series of sediment ponds? __X__ Yes, _____ No. If "yes," submit an addendum to describe, including maps and cross sections, the diversions to be constructed to achieve compliance with paragraph (I) of rule 1501:13-4-14 of the Administrative Code.

SEE ORIGINAL PERMIT D-0425, PART 3, PAGE 18, and ADDENDUM TO PART 3, PAGE 27, ITEM G(3).

(4) Indicate which of the following are proposed to be constructed within the proposed permit area and submit as an addendum the detailed design plans for each structure in accordance with paragraph (H) of rule 1501:13-4-14 and 1501:13-9-04 of the Administrative Code.
SEE ORIGINAL PERMIT D-0425; SEDIMENT PONDS EXISTING

_____ sedimentation pond(s) (submit Attachment 20)

_____ water impoundment(s) (submit Attachment 20)

_____ Other (specify) _____

(5) Submit an addendum describing the plan for the control of water drainage into, through, and out of the proposed permit area. If applicable, submit as an addendum any request for variances pursuant to paragraphs (B) and (E) of rule 1501:13-9-04 of the Administrative Code.

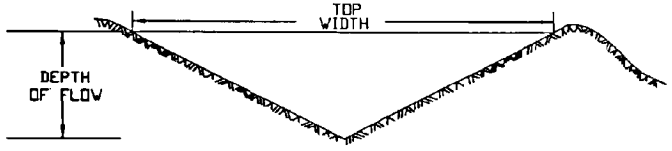
SEE ORIGINAL PERMIT D-0425, PART 3, PAGE 16, ITEM 2, AND BZVR, SADE, AND ATTACHED ADDENDA.

(6) Describe the treatment, when required, of ground and surface water drainage from the area to be disturbed by the proposed coal mining activities.

SEE ORIGINAL PERMIT D-0425, PART 3, PAGE 17, ITEM 3.

DIVERSION DITCH #	DIVERSION DITCH LENGTH	DRAINAGE AREA (ACRES)	STORM DESIGN	DESIGN cfs	SLOPE	SIDE SLOPES	DEPTH OF FLOW (MAXIMUM)	TOP WIDTH	VELOCITY FT/SEC (MAXIMUM)	CHANNEL LINING
DD-1	360'	5.6	10YR/24HR	13	1%	2:1	2.4'	9.6'	2.5	GRASS
DD-2	1460'	10.5	10YR/24HR	18	0.5%	2:1	3.0'	12.0'	2.1	GRASS

AN 18" DIAMETER CMP OR EQUIVALENT 40' LONG AT A SLOPE OF 1%, WITH A MINIMUM OF 5' OF HEADWATER WILL BE INSTALLED IN THE DITCH AS SHOWN ON THE APPLICATION MAP.



TRIANGULAR VEGETATED CHANNEL

NOTES:

(1) COMPUTER PROGRAM USED: SEDCAD 4.0
CURVE NUMBER USED: 88
RAINFALL 10YR/24HR: 3.7"

(2) THE DIVERSIONS WILL BE STABILIZED WITH RIPRAP AT ANY TRANSITION ZONES WHERE VELOCITIES EXCEED THE LIMITING VELOCITY.

5-10-01

STATE OF OHIO
DONALD M. BRAFFORD
E-29449
REGISTERED PROFESSIONAL ENGINEER

ADDENDUM TO PART 3, PAGE 27, ITEM G(3)
BENNOC, INC.

DIVERSION DITCH DESIGN COMPUTATION SHEET

SECTION: 3	TOWNSHIP: 6	RANGE: 5
TOWNSHIP: WAYNE	DIV-DIT.DWG	
COUNTY: BELMONT	DRAWN BY: SSU	

Jack A. Hamilton & Associates, Inc.
Consulting Engineers & Surveyors
Box 471, 342 High Street
Flushing, Ohio 43977
E-MAIL: hamilton@1st.net

AEC 08493

ADDENDUM TO PART 3, PAGE 27, ITEM G(5)
BENNOC, INC.

CHIEF
ODNR, DIVISION OF MINERAL RESOURCES MANAGEMENT
1855 FOUNTAIN SQUARE COURT
COLUMBUS, OHIO 43224

RE: SMALL AREA DRAINAGE EXEMPTION

DEAR CHIEF:

Bennoc, Inc. is hereby requesting a Small Area Drainage Exemption at the D-0425 permit site consisting of approximately 1.2 acres. During construction activities, runoff will be controlled by silt fence and/or straw/hay bales which will be placed below the affected area to trap sediment. All areas will be promptly seeded and mulched. The silt fence and/or straw/hay bales will be visually monitored and maintained as necessary to assure that they are functioning properly to meet effluent limitations.

Note: Please be advised that the drainage from SADE areas shown on the permit map is currently controlled by sediment structures 011 and 008 pond series, with the exception of the clean coal silo and conveyor area from the silo area to north of Captina Creek. *The conveyor from the clean coal silo to the train loadout will cross Captina Creek. Measures to be taken to keep coal out of the buffer zone and Captina Creek will include a totally enclosed conveyor belt, 100 feet south of Captina Creek to the train loadout facility. Any spillage from the conveyor belt will be contained within the belt enclosure.*

APPROVED ✓
DISAPPROVED [ ]
DATE: 5-24-01
SIGNED Michael L. Chief

Yours truly,

Ellen M. Roper

AEC 08494

ADDENDUM TO PART 3, PAGE 27, ITEM G(5)
BENNOC, INC.

CHIEF
ODNR, DIVISION OF MINERAL RESOURCES MANAGEMENT
1855 FOUNTAIN SQUARE COURT
COLUMBUS, OHIO 43224

RE: SMALL AREA DRAINAGE EXEMPTION

DEAR CHIEF:

Bennoc, Inc. is hereby requesting a Small Area Drainage Exemption at the D-0425 permit Site "B" consisting of approximately 0.8 acres. During construction activities, runoff will be controlled by silt fence and/or straw/hay bales which will be placed below the affected area to trap sediment. All areas will be promptly seeded and mulched. The silt fence and/or straw/hay bales will be visually monitored and maintained as necessary to assure that they are functioning properly to meet effluent limitations.

Note: Please be advised that Site "B" has been in existence since August 1984, and was permitted under an I.B.R.

Yours truly,

Ellen M. Hopen

APPROVED ☒
DISAPPROVED ☐
DATE: 5-24-07
SIGNED Michael L. Sponsler
Chief

Addendum to Part 3, Page 27, Item G(5)
Stream Buffer Zone Variance Request
Bennoc, Inc.

Chief
ODNR, Division of Mineral Resources Management
1855 Fountain Square Court
Columbus, OH 43224

Dear Chief:

Bennoc, Inc. is hereby requesting a variance to conduct coal mining activities within the buffer zones of Captina Creek, S-3/D-8 Stream, Piney Creek, SW-6 Stream, S-7/SW-7 Stream, Stream U-8 and the *S-5 Stream* as shown on the enclosed updated D-0425 application map.

SPECIFIC ACTIVITIES:

Captina Creek

Activities to be conducted within the buffer zone of Captina Creek consist of re-construction of a previously existing above ground conveyor belt and load out facility. *The loadout facility will be reconstructed within approximately 30 feet of the stream channel.*

For purpose of description, the beginning point of Captina Creek is at the westernmost permit limit within Captina Creek in the northernmost area of the permit, and continues downstream a distance of approximately 50 feet.

Existing instream physical habitat conditions consist of a substrate of cobble and gravel of limestone and sandstone origin, with normal silt and embeddedness. Instream cover is moderate, with undercut banks, shallows, rootmats, and pools. The riparian width is wide on the right bank and consists of forest/swamp, with heavy to severe bank erosion. Riparian width on the left bank is narrow, consisting of shrub and old field with moderate bank erosion. Maximum depth is 0.7 to 1.0 meters. Pool width equals riffle width, with moderate to slow velocities. Riffle/run substrates are moderately stable large gravel with low embeddedness. Channel morphology shows low sinuosity, good development, recovered channelization, and moderate stability. Modifications consists of bank shaping. Existing stream conditions have been influenced by railroad activity.

Reconstruction of the previously existing conveyor belt and load out facility will take approximately 3 weeks. Care will be taken to not disturb the stream channel during construction of the conveyor and load out facility. Straw and/or hay bales and silt fence, and if necessary, sumps will be utilized during construction to prevent sediment from entering Captina Creek. *The conveyor from the clean coal silo to the train loadout will cross Captina Creek. Measures to be taken to keep coal out of the buffer zone and Captina Creek will include a totally enclosed conveyor belt, 100 feet south of Captina Creek to the train loadout facility. Any spillage from the conveyor belt will be contained within the belt enclosure.*

Reconstruction of Captina Creek will not be necessary, the stream channel will not be disturbed.

Disturbance over the buffer zone will continue until the coal transportation facilities are no longer

necessary, or until all coal resources within the underground mine associated with D-0425 have been exhausted. (Possibly 20 years).

S-3/D-8 Stream

Activities to be conducted within the buffer zone of this stream consist of the re-construction of the above ground overland conveyor belt. Pond 008A exists within the buffer zone of this stream.

No disturbance of the stream channel will occur.

For purposes of description, the beginning point of the S-3/D-8 stream is at the west central permit limit, and continues downstream a distance of approximately 370 feet where it intersects Pond 008A. This stream channel was previously man-made to divert water flow from head of hollow springs to the sediment control structures.

Existing instream physical habitat conditions consist of a substrate of boulder and gravel of limestone origin, with normal silt and no embeddedness. Instream cover is sparse, and consist of overhanging vegetation and boulders. The riparian width is wide, consisting of shrub and old field, with heavy to severe bank erosion. Maximum depth is <0.2 meters. Pool width equals riffle width, with moderate to slow velocities. Riffle/run substrates are stable cobble/boulder with low embeddedness. Channel morphology shows low sinuosity, poor development, recent or no channelization, and low stability. Modifications consists of relocation and bank shaping. Previous mining and coal refuse have impacted the stream.

Reconstruction of the previously existing conveyor belt will take approximately 3 weeks. Care will be taken to not disturb the stream channel during construction of the conveyor. Straw and/or hay bales and silt fence, and if necessary, sumps will be utilized during construction to prevent sediment from entering the S-3/D-8 stream.

Reconstruction of the S-3/D-8 Stream will not be necessary, the stream channel will not be disturbed.

Disturbance over the buffer zone will continue until the coal transportation facilities are no longer necessary, or until all coal resources within the underground mine associated with D-0425 have been exhausted. (Possibly 20 years).

Piney Creek

Activities to be conducted within the buffer zone of Piney Creek consist of facility parking area, existing Pond 011, *construction of Diversion Ditch DD-2*, the re-construction of the previously existing above ground overland conveyor belt, submarine bridge stream crossing, and existing Ponds 008A, 008B, and 008C. Also, grading will occur within the buffer zone between monitoring station D-5 and Pond 011.

For purposes of description, the beginning point of Piney Creek is near the intersection of Twp. Rds. 81 and 87 at the southernmost permit limit, and continues downstream in a northeasterly direction for a distance of approximately 2950. The buffer zone is affected by parking area within the buffer zone from the beginning point, downstream for a distance of approximately 300 feet. The buffer zone is affected by existing Pond 011 approximately 1650 feet downstream of the beginning point to 2070 feet, The buffer zone will be affected by re-construction of the above ground conveyor approximately 2170 downstream from the beginning point to 2190 feet, and by the submarine bridge

approximately 2230 feet downstream of the beginning point to 2250 feet, and by existing Ponds 008A, 008B, and 008C approximately 2330 feet downstream from the beginning point to 2950 feet. *Diversion Ditch DD-2 will be constructed beginning near the southernmost point of the permit area, and will continue in a northerly direction to Pond 011. A small portion of the ditch, east of U-1, is not within the buffer zone of Piney Creek. Construction of the ditch will take approximately one day.*

Disturbance within the buffer zone will occur until reclamation at the completion of mining. Re-construction of the conveyor belt and removal of the *existing damaged* submarine bridge will take approximately 2 weeks. Pond 011 and Pond 008 series will remain permanent. The stream will not need reconstructed. Straw and/or hay bales and silt fence, and if necessary, sumps will be utilized during construction to prevent sediment from entering the Piney Creek. Removal, grading and seeding of temporary ponds will be done in a timely manner in the first appropriate season after vegetation is established to prevent post-mining effects on Piney Creek. *Reclamation within the buffer zone will include backfilling and grading of the access road approaches to the submarine bridge. Silt fence and/or straw/hay bales will be used to prevent sediment from entering Piney Creek. The submarine bridge will remain permanent.*

Existing instream physical habitat conditions consist of a substrate of gravel and bedrock of sandstone origin, with normal silt and extensive embeddedness. Instream cover is moderate, and consist of overhanging vegetation, undercut banks, shallows, rootmats, pools, and logs and woody debris. The riparian width is wide, with forest, on the left bank, and narrow, with mining/construction on the right bank, with moderate bank erosion. Maximum depth is 0.4 to 0.7 meters. Pool width is more than riffle width, with fast to moderate velocities. Riffle/run substrates are moderately stable large gravel with moderate embeddedness. Channel morphology consists of moderate sinuosity, good development, recovered channelization, and moderate stability. Modifications consists of bank shaping. Previous mining activities have impacted stream conditions.

Reconstruction of Piney Creek will not be necessary, the stream channel will not be disturbed.

Disturbance within and over the buffer zone will continue until the coal transportation facilities are no longer necessary, or until all coal resources within the underground mine associated with D-0425 have been exhausted. (Possibly 20 years).

SW-6 Stream

No mining activities are proposed to be conducted within the buffer zone of the SW-6 Stream. Previous affectment within the buffer zone of this stream occurred during surface mining operations on Permit D-1159, and by a small grassy roadway. This area has been reclaimed under permit D-1159.

The SW-6 Stream originates from head of hollow springs, and is piped underground from the point shown on the application map (end of buffer zone shown on map).

For purposes of description, the beginning point of the SW-6 Stream is at the southeast permit limit, then continues downstream a distance of approximately 490 feet to the point where this stream is piped underground for approximately 558 feet and discharges into Piney Creek.

No disturbance within the buffer zone is proposed.

Existing instream physical habitat conditions consist of substrates of boulder/slabs, cobble, musk

and silt, of shale and sandstone origin, with heavy silt and extensive embeddedness. Instream cover is moderate overhanging vegetation, boulders, logs and woody debris. The riparian width is wide with forest, and heavy to severe bank erosion. Maximum depth is <0.2 meters, pool width is less than riffle width, with fast to moderate velocities. Riffle/run substrates are unstable fine gravel with extensive embeddedness. The morphology of the stream shows high to moderate sinuosity and fair development, with no channelization and low stability. As mentioned above, this stream has been impacted by previous mining and has been reclaimed.

S-7/SW-7 Stream

Activities to be conducted within the buffer zone of the S-7/SW-7 Stream consist of utilization of existing Pond 002, the existing stream crossing and the access roadway to Pond 002, as necessary for Pond maintenance.

The S-7/SW-7 stream originates from a head of hollow spring.

For purposes of description, the beginning point of the S-7/SW-7 Stream is at the south easternmost permit limit, just south of the existing electric power line, then continues downstream in a northwesterly direction for a distance of approximately 490 feet, to where it is piped underground where it intersects Twp. Rd. 81. From this point, it is piped underground for a distance of approximately 400 feet and discharges into Piney Creek. *The SW-7 stream crossing will remain permanent after mining.*

Pond 002 will remain until all mining activities are complete. Removal, grading and seeding of Pond 002 will be done in the first appropriate season after successful vegetation has been established for at least 2 years to prevent post-mining affects on the stream. If removal occurs earlier, Division approval would first be sought and obtained.

Existing instream physical habitat conditions consists of a substrate of cobble and gravel of sandstone origin, with normal silt and embeddedness. Instream cover is moderate, with overhanging vegetation, undercut banks, shallows, rootmats, logs and woody debris. Maximum depth is 0.2 to 0.4 meters. Pool width is more than riffle width, with moderate to slow velocities. Riffle/run substrates are moderately stable large gravel with moderate embeddedness. The morphology of the stream shows moderate stability, good development, recovered channelization, and moderate stability. Previous mining has impacted this stream.

U-8 Stream

Activities to be conducted within the buffer zone of stream U-8 consist of existing air shaft maintenance, existing access road maintenance, *and the existing stream crossing.* No *additional* disturbance of the stream channel will occur. These activities will occur until mining is complete.

The stream will not need reconstructed. *Removal, grading and seeding of the airshaft area will be done in a timely manner in the first appropriate season after mining is complete to prevent post-mining effects on the U-8 stream. The existing stream crossing will remain permanent.*

Stream S-5

Activities to be conducted within the buffer zone of Stream S-5 include is the construction of Diversion Ditch DD-2. See discussion of DD-2 construction under Piney Creek.

This stream will not be affected by the proposed mining activities as it is located across the drainage of Piney Creek. No stream reconstruction will be necessary. Instream physical habitat conditions were not established as the stream channel will not be disturbed. The 100 foot buffer zone of this stream falls completely within the 100 foot buffer zone of Piney Creek which has been previously addressed in this document.

NECESSITY OF ACTIVITIES

Re-construction of the conveyor belt system is of absolute necessity for transportation of the coal from the associated underground mine. Sediment control facilities and access roadways exist within the buffer zones of the above described streams. Reactivation of the underground would not be possible without appropriate transportation facilities.

WATER QUALITY/QUANTITY AND ENVIRONMENTAL RESOURCES

Water quality in Captina Creek is good. Water analysis conducted prior to this submission shows all parameters within effluent limitations. Captina Creek is a large perennial stream, originating from the Barnesville Reservoir. Stream quantity ranges from 100.8 cfs during low flow conditions, to 321.7 cfs during high flow conditions. Riparian vegetation within the buffer zone consists of typical plants, grasses, trees and shrubs.

Water quality in the S-3/D-8 Stream is fair. Water analysis conducted prior to this submission shows slightly elevated sulfates, with all other parameters within effluent limitations. The S-3/D-8 Stream is a small intermittent stream, originating from head of hollow springs.. Stream quantity ranges from 2.5 gpm upstream during low flow conditions, to 1.19 cfs during high flow conditions downstream. Riparian vegetation within the buffer zone consists of typical plants, grasses, trees and shrubs.

Water quality in Piney Creek is good. Water analysis conducted prior to this submission shows all parameters within effluent limitations. Piney Creek is a perennial stream, originating from springs to the south and southeast. Stream quantity ranges from 7.4 cfs during low flow conditions, to 47 cfs during high flow conditions downstream. Riparian vegetation within the buffer zone consists of typical plants, grasses, trees and shrubs.

Water quality in the SW-6 Stream is good. Water analysis conducted prior to this submission shows all parameters within effluent limitations. The SW-6 Stream is a small intermittent stream, originating from a spring at head of hollow. Stream quantity ranges from .07 cfs during low flow conditions, to .26 cfs during high flow conditions downstream. Riparian vegetation within the buffer zone consists of typical plants, grasses, trees and shrubs.

Water quality in the S-7/SW-7 Stream is good. Water analysis conducted prior to this submission shows all parameters within effluent limitations. The S-7/SW-7 Stream is a small intermittent stream, originating from a head of hollow spring. Stream quantity ranges from <1 gpm upstream during low flow conditions, to .12 cfs during high flow conditions downstream. Riparian vegetation within the buffer zone consists of typical plants, grasses, trees and shrubs.

Water quality in the U-8 Stream is good. Water analysis conducted prior to this submission shows all parameters within effluent limitations. The U-8 Stream is a small intermittent stream, originating from a head of hollow spring. Stream quantity ranges from .009 cfs upstream during low flow conditions, to .12 cfs during high flow conditions downstream. Riparian vegetation within the buffer zone consists of typical plants, grasses, trees and shrubs.

Water quality and quantity in Stream S-5 will not be affected by the proposed mining operations as it is located across the Piney Creek drainage course from the site.

SEQUENCING OF OPERATIONS

The total life of this mining activity is projected to be approximately 20 years. The sequence of proposed activities is as follows; the re-construction of conveyor belts and all surface facilities necessary to accommodate underground mining coal transport to the consumer.

The buffer zone reconstruction activities will follow coal removal activities during reclamation of the surface facilities. Pond reclamation at Pond 002, 008A, 008B, and 008C will follow establishment of vegetation on the reclaimed site.

STREAM RECONSTRUCTION, DIVERSION, OR RELOCATION

No stream reconstructions, diversions, or relocations, are proposed for this project. The issue of buffer zone affects as well as the locations of the various activities were addressed in the previous sections of this document.

Normal site maintenance will be carried on throughout the life of the operation.

There is no upstream flooding potential. The storm volumes are small enough that the potential for downstream flooding should not increase over the current conditions.

REVEGETATION:

The following species and amounts of vegetation and/or trees and shrubs will be planted a minimum width of two and a half times the channel bottom width where any disturbance within the buffer zones has occurred.

SPECIES	AMOUNT/RATE (LBS./AC.)
GRASSES AND LEGUMES	
Perennial Ryegrass	5 lbs./ac
Foxtail Millet	5 lbs/ac
Red Top	3 lbs./ac
Birdsfoot Trefoil	5 lbs./ac
Appalow Lespedeza	15 lbs/ac

TREES AND SHRUBS	SPACING	NO./ACRE
Green Ash	8 x 8	681
Sycamore	8 x 8	681
Buttonbush	8 x 8	681

Trees and shrubs will be planted by hand on approximate 8 foot centers. Areas planted with riparian vegetation will not be cut or mowed so as to encourage the development of volunteer vegetation. Species of trees, shrubs, grasses and legumes which appear naturally will not be removed but will remain to enhance wildlife environment along the streams.

Care will be taken to disturb only that portion of the buffer zone necessary to accomplish the objectives of this permit. All work within the stream buffer zone will be performed in a timely and workmanlike manner to avoid, as best as can be accomplished, detrimental effects on the streams.

Yours truly,

JACK A. HAMILTON & ASSOCIATES, INC

Ellen M. Loper

Ellen M. Loper

APPROVED ☑
DISAPPROVED ☐
DATE: 5-24-01
SIGNED Michael L. Gromelski

Addendum to Part 3, Page 27, Item G(5),
Bennoc, Inc.

Existing Pond 011 will be used to control drainage for the permit area and I.B.R. areas (see I.B.R. map submitted 3-1-01) on the southeast side of Piney Creek. Pond 011 was modified when D-1159 was submitted. The pond, as shown on the enclosed as-built plan has a sediment storage volume of 4.7 acre feet. The affected area to be controlled by Pond 011 from D-0425 is 21.9 acres and the affected area from D-1159, outside the limits of D-0425, and shown on the enclosed A.R.P. map as brown is 2.9 acres. The total affected area to Pond 011 is 24.8 acres, therefore the pond is adequate to control this area. The area north of Piney Creek, from Piney Creek to Township Road 74 will be controlled by Pond 008. This proposed affected area contains 19 acres.

April 1989

OHIO DEPARTMENT OF NATURAL RESOURCES
DIVISION OF RECLAMATION

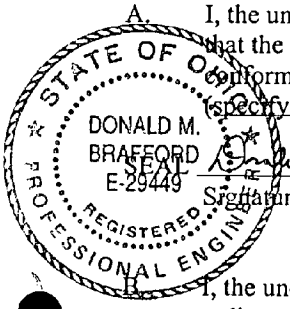
CERTIFICATION 1

CERTIFICATION OF SEDIMENT CONTROL SYSTEM CONSTRUCTION

Permittee's Name Bennoc, Inc. Permit D-1159

Complete both certification statements listed below.

A. I, the undersigned, a surveyor or engineer registered in the State of Ohio, hereby certify that the measurements of the constructed sediment control system described below conform to the measurements contained in the approved ~~original~~/"as built"* (specify one) design plan.



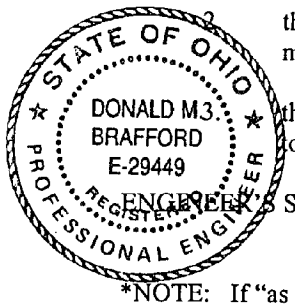
SEAL Donald M Brafford P. E. 4-10-01
Signature Title (engineer/surveyor) Date

B. I, the undersigned, an engineer registered in the State of Ohio, hereby certify that the sediment control system described below has been constructed per the approved ~~original~~/"as built"* (specify one) design specifications and criteria and that:

1. the embankment foundation area was cleared of all organic matter and the entire foundation surface scarified;

2. the fill material was free of sod, large roots, other large vegetative matter, frozen soil, and coal processing waste; and

3. the fill was brought up in horizontal layers of such thickness as required to facilitate compaction in accordance with prudent construction standards.



ENGINEER'S SEAL Donald M Brafford 4-10-01
Signature Date

*NOTE: If "as built," then "as built" plan must be attached to this certification.

This sediment control system consists of:

Sediment ponds no. 011, _____, _____, _____,
Diversions (describe in relation to pond numbers).

Other control methods (describe if different from permit descriptions)

9-88

OHIO DEPARTMENT OF NATURAL RESOURCES
DIVISION OF RECLAMATION

ATTACHMENT 20
(SEDIMENTATION POND/IMPOUNDMENT DATA SHEET)

Applicant's Name BENNOC, INC. Pond # AS-BUILT 011

Type of impoundment EXCAVATED Permanent X, Temporary _____

1. POND DRAINAGE AREA DATA:

   a) Drainage area 131 acres
   b) Disturbed area 24.8 acres * SEE ITEM 8
   c) Ave. land slope 20 %
   d) Hydrologic soil group B&C
   e) Hydraulic length 2450 ft.
   f) Cover/condition of the undisturbed area PASTURE & WOODS FAIR

2. DESIGN STORM CRITERIA:

   a) Method:

      1) Design method (s) including computer programs: SEDCAD +
      2) SCS curve number 78

   b) Rainfall Amount/Peak Flow

	Rainfall, in.	Peak flow, cfs.
1) 10 year, 24 hour =	3.7	230
2) 25 year, 24 hour =	4.3	291
3) 50 year, 6 hour = (if permanent)		
4) 100 year, 6 hour = (if 20/20 size)		

3. POND SIZE:

   a) Dimensions: N/A

   1) Dam height 1.5 ft.
   2) Dam width 8.5 ft.(MIN)
   3) Dam length 760 ft.
   4) Dam downstream slope 33 % (MAX)
   5) Dam upstream slope 50 % (MAX)
   6) Core length ____ ft. ____ ft. ___ ft.

   b) Sediment storage volume 4.7 ac. ft. is provided below the 935.5 foot elevation.

c) Stage/Area Data:	Elevation ft.	Surface Area ac.	Volume ac. ft.
1) Bottom of pond	930.0	0.19	0
2) Streambed at upstream toe:	N/A	N/A	N/A
3) Principal spillway inlet:	N/A	N/A	N/A
4) Exit Channel Crest:	935.5	1.16	4.7
5) Top of embankment:	938.0	1.54	8.1

AEC 08505

PRINCIPAL SPILLWAY: N/A

a) Pipe length _____ ft.
b) Pipe diameter _____ in.
c) Pipe slope _____ %
d) Riser diameter _____ in.
e) Riser height _____ ft.
f) Type of pipe _____
g) Number of anti-seep collars _____; spacing along pipe _____ ft.
h) Does the design include a trash rack? _____ Yes, _____ No.
i) Does the design include an anti-vortex device? _____ Yes, _____ No.

5. EMERGENCY SPILLWAY/EXIT CHANNEL:

a) Base width 21 ft.
b) Design flow depth 1.5 ft.
c) Exit slope 3.2 %
d) Exit velocity 7.2 fps
e) Channel lining ROCK RIPRAP
f) Side slopes 4:1
g) Freeboard 1.0 ft.
h) Entrance slope 50 %
i) Length of level section 15 ft.

6. The minimum static factor of safety for this impoundment is 1.5

7. Provide as an addendum to this attachment a detailed plan view or 2 cross sections of the impoundment.

8. COMMENTS: THE OPERATOR NO LONGER PLANS ON STRIPPING THE #11 COAL IN THIS AREA, THEREFORE THIS DISTURBED AREA REPRESENTS THE MAXIMUM THAT SHOULD BE AFFECTED BY THIS OPERATOR.

9. Is this an MSHA structure? _____Yes, X No. If "yes," provide the MSHA ID. number if one has been assigned _____.

10. If this is to be retained as a permanent impoundment, submit an addendum to this attachment demonstrating compliance with rule 1501:13-9-04(H) (2) of the Administrative Code.

11. I hereby certify that this impoundment is designed to comply with the applicable requirements of rule 1501:13-9-04 of the Administrative Code using current, prudent engineering practices.

Donald M Brafford
Signature

4-10-01
Date

P.E. SEAL

ADDENDUM TO ATTACHMENT 20, ITEM 10, POND 011
BENNOC, INC.

PERMANENT POND 011

RULE 1501:13-9-04(H)(2)

a) AS SHOWN ON THE APPLICATION MAP, THE SIZE AND CONFIGURATION OF POND 011 IS ADEQUATE FOR ITS INTENDED PURPOSE.

b) EVALUATION OF PRE-MINING WATER QUALITY AS SHOWN ON THE ATTACHMENT 14A'S AND OVERBURDEN CHARACTERISTICS SHOWN ON THE ATTACHMENT 12'S DEMONSTRATE THAT WATER QUALITY WILL NOT BE DEGRADED BY THIS PERMANENT IMPOUNDMENT. MONTHLY MONITORING OF THE POND'S DISCHARGE DURING THE LIFE OF THE PERMIT WILL FURTHER DEMONSTRATE THAT WATER QUALITY WILL BE SUITABLE FOR THE PROPOSED POST-MINING LAND USE AND THAT IT WILL MEET EFFLUENT LIMITATIONS ESTABLISHED PURSUANT TO APPLICABLE STATE AND FEDERAL STANDARDS.

c) THE RATIO OF THE WATERSHED AREA TO THE POND AREA AT NORMAL POOL LEVEL WILL PROVIDE A STABLE WATER LEVEL CAPABLE OF SUPPORTING THE POST MINING LAND USE.

d) FINAL GRADING WILL PROVIDE SAFE AND ADEQUATE ACCESS TO THE WATER IMPOUNDMENT.

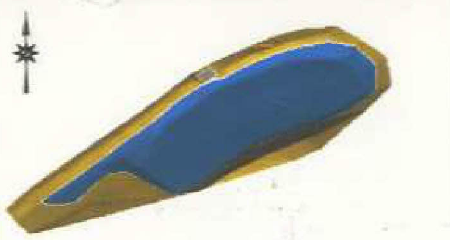
e) POND 011 WILL BE MONITORED AS REQUIRED AND TREATED IF NECESSARY PRIOR TO DISCHARGE, THEREFORE DIMINUTION OF THE QUALITY OF THE WATER UTILIZED BY SURROUNDING LANDOWNERS SHOULD NOT OCCUR. BASED ON THE SIZE AND CHARACTERISTICS OF THE CONTRIBUTING WATERSHED, DIMINUTION OF WATER QUANTITY SHOULD NOT OCCUR.

f) SINCE THE IMPOUNDMENT WILL BE USED FOR AGRICULTURAL PURPOSES IT WILL BE SUITABLE FOR THE POST MINING LAND USE. IT WILL ALSO CREATE A HABITAT FOR FISH AND WILDLIFE.

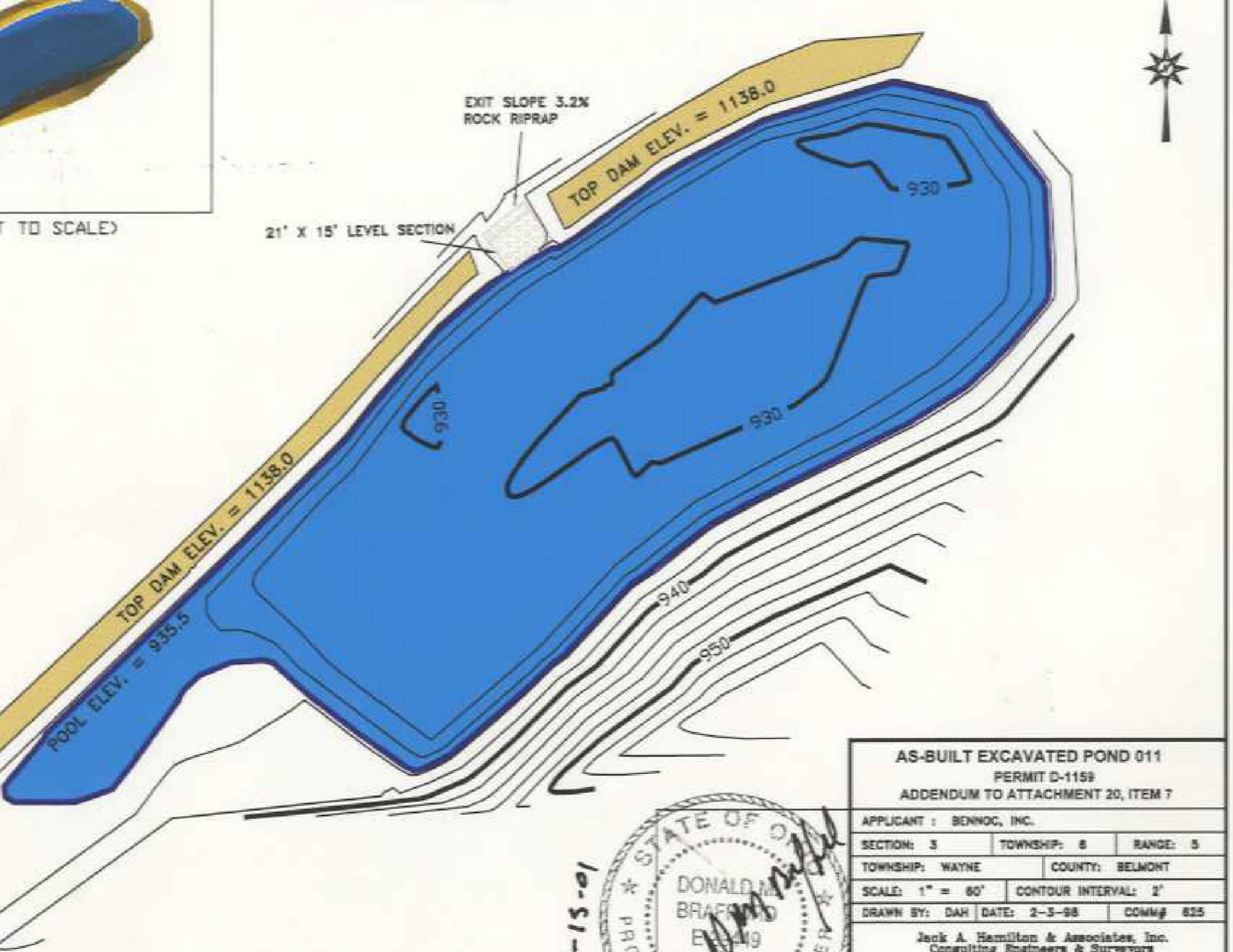
g) THERE WILL BE NO HIGHWALLS WITHIN THE LIMITS OF THE IMPOUNDMENT.

h) THERE WILL BE NO REDUCED HIGHWALL FACES WITHIN THE LIMITS OF THE IMPOUNDMENT.

AS-BUILT EXCAVATED POND 011



3D VIEW (NOT TO SCALE)



AS-BUILT EXCAVATED POND 011 PERMIT D-1159 ADDENDUM TO ATTACHMENT 20, ITEM 7		
APPLICANT : BENNOC, INC.		
SECTION: 3	TOWNSHIP: 6	RANGE: 5
TOWNSHIP: WAYNE	COUNTY: BELMONT	
SCALE: 1" = 60'	CONTOUR INTERVAL: 2'	
DRAWN BY: DAH	DATE: 2-3-98	COMM# 625
Jack A. Hamilton & Associates, Inc. Consulting Engineers & Surveyors Box 471 342 High Street Flushing, Ohio 43977 PH (740) 968-4947 FAX (740) 968-4225 E-MAIL hamilton@1st.net		

STATE OF OHIO
DONALD M. BRAFFORD
REGISTERED PROFESSIONAL ENGINEER

5-15-01

AEC 08508

H. PROTECTION OF PUBLIC PARKS AND HISTORIC PLACES-**Permit and Planned Subsidence Area**

Will the proposed coal mining activities adversely affect any public park and places listed on the National Register of Historic Places? _____ Yes, __X__ No. If "yes," submit an addendum describing the measures to minimize or prevent these impacts.

I. MINING NEAR OR THROUGH A PUBLIC ROAD-**Permit Area**

If the response to Part 1, item D (6) of the permit application is "yes", submit an addendum describing the measures to be used to ensure that the interests of the public and landowners are protected.
SEE ORIGINAL PERMIT D-0425, PART 3, PAGE 19, ITEM H.

J. SUBSIDENCE CONTROL SURVEY-**Shadow Area N/A - SURFACE AREA ONLY**

(1) Is this a full coal recovery operation?
_____ Yes, _____ No. If "yes," complete Attachment 31, Subsidence Control Survey, and following items J(2) and (3).

(2) Does the shadow area contain any of the structures or facilities listed in 1501:13-12-03(J)(1-3)?
_____ Yes, _____ No. If "yes," complete Attachment 32, Protection of Specific Structures, and specifically identify the structures or facilities on the application map.

(3) Are any aquifers or bodies of water that serve as a significant water source for any public water supply system present in the shadow area?
_____ Yes, _____ No. If "yes," complete Attachment 32, Protection of Specific Structures, and specifically identify the areas on the application map.

K. SUBSIDENCE CONTROL PLAN-**Shadow Area N/A - SURFACE AREA ONLY**

(1) Submit an addendum which describes the method of coal removal, and indicates the size, sequence, and timing of the development of the underground workings.

(2) Utilizing the application map, specifically indicate areas where planned subsidence mining methods (i.e. longwall or pillar extraction) will be used.

(3) Utilizing the application map, specifically indicate room-and-pillar mining areas where subsidence will be prevented or minimized.

K. (4) Submit as an addendum, for those areas mapped as room-and-pillar mining, the following information: **N/A - Surface Area Only**

(a) the maximum and average overburden thickness.

(b) the projected maximum extraction ratios for mains, submains, and butt sections, as well as the existing ranges of values for the same areas.

(c) projected maximum width of entries and cross cuts throughout the mine, as well as the existing ranges of values for the same areas.

(d) the center spacing for entries and cross cuts.

(e) minimum pillar dimensions for mains, submains, and butt sections, as well as the existing ranges of values for these areas.

(f) the barrier pillar width between butt sections, as well as the existing ranges of values for the same areas.

(g) the engineering properties of the clay/shale, or other soft rock material in the roof and floor of the mine.

(h) measures to be taken on the surface to prevent damage or lessening of the value or reasonably forseeable use of the surface, if any.

(i) the minimum pillar safety factor, for protected structures, based upon coal strength and load.

(j) methods and calculations used to determine the safety factor.

(5) Submit as an addendum for those areas mapped as full coal recovery mining, the following information: **N/A - Surface Area Only**

(a) for each method to be employed (i.e. longwall or pillar extraction), provide the following:

i) rate and direction of dip for the coal seam.

ii) dimensions of panels or butt sections.

iii) thickness of coal to be extracted (mining height).

iv) maximum angle of draw.

v) maximum anticipated subsidence.

vi) width of barrier pillars or chain pillars between sections or panels.

vii) the maximum extraction ratio within a pillaring section.

K. (5) (b) the anticipated effects of planned subsidence upon the land and water resources identified in the subsidence control survey and survey of ground and surface water resources.

(c) the measures to be taken to mitigate the anticipated effects of planned subsidence to the land and water resources.

(d) the anticipated effects of planned subsidence upon the structures identified in the subsidence control survey.

(e) the proposed measures to be taken to mitigate anticipated effects to structures.

(f) the proposed measures to determine the extent of mining related damages including a presubsidence survey with an indication of the timing of the survey.

(g) the provisions for repair and/or compensation for damages to structures.

(h) describe the monitoring, if any, needed to determine the commencement and degree of subsidence so that, when appropriate, other measures can be taken to prevent, reduce, or correct material damage in accordance with rule 1501:13-12-03 of the Administrative code.

(6) Will planned subsidence operations be conducted within the angle of draw of urbanized areas, cities, towns, communities, industrial or commercial buildings, major impoundments, or **perennial streams**?
_____ Yes, _____ No. If "yes," describe any measures or activities that will prevent a condition or practice that could result in an imminent danger to the health or safety of the public.

(7) Will planned subsidence operations be conducted within the angle of draw of transmission pipelines?
_____ Yes, _____ No. If "yes," describe the procedural plan to avoid the creation of a situation of imminent danger to the health and safety of the public.

A. FILING OF ADDENDA

If an addendum is needed to present the information required by the items in the permit application, the addendum is to be submitted with the permit application and each page, map, plan or other document in the addendum should include the applicant's name and indicate to what item the addendum applies. For example, "Addendum to Part 3, item K(2) Zebco Coal Company."

B. Provide the information requested below for all technical data submitted in the application.

Identification of Technical Data (1)	Person/Organization that Collected Data and Date	Methodology for Collecting Data	Person/Organization that Analyzed Data and Date	Methodology Used to Analyze data
PART 2, C ATTACHMENT 14A	F. BLACKMAN, QUALITY ENVIRONMENTAL SERVICES 12/93	GRAB SAMPLES & INTERVIEWS	ILA B. MANIAR, INDUSTRIAL LAB ANALYSIS 12/93, 3/94	ANALYZE AS NECESSARY FOR PARAMETERS
	M. SHOOK, K. WARNER, JACK A. HAMILTON & ASSOC., INC. 2/94, 7/97		JOHN ORLANDO, REAM & HAAGER LABORATORIES, INC. 7/97	

(1) The technical data is to be identified by referencing the particular item in the application for which the data was used in preparing the response (e.g. Part 2, B(1); Attachment 14; Part 4, A)

C. Provide the name, address and position of officials of each private or academic research organization or governmental agency contacted in the preparation of the application for information on land uses, soils, geology, vegetation, fish and wildlife, water quantity and quality, air quality, and archeological, cultural, and historic features.

Name and Address of Official	Position of Official	Name of Agency Organization	Type of information (e.g. Geology)
John Orlando 1226 Kaderly St, NW New Philadelphia, OH 44663	Analyst	Ream & Haager Laboratories, Inc.	Hydrology
Christine A. Straub, Bill Haiker, Fountain Square Court, Bldg. E, Columbus, OH 43224	Hydrogeologist	Division of Water	Hydrology
Jeff Bittinger & James Forshey, Natural Resources Conservation Service, 1119 E. Main St., Barnesville, OH 43713	District Conservationist	Soil Conservation Service	Soils/P.F.L.
Ila B. Maniar, 2240 Williamsburg Drive, Glen Dale, WV 26038	Analyst	Industrial Lab Analysis	Hydrology

D. APPLICATION FOR ABANDONED MINED LAND DIRECT NEGOTIATED CONTRACT (IF APPLICABLE) **N/A**

In accordance with Section 1513.27 of the Ohio Revised Code, the chief of the Division of Reclamation has been granted the authority to enter into contracts with licensed operators for reclamation of abandoned mined lands affected by coal mining prior to April 10, 1972 and located adjacent to a permit area. To be eligible for reclamation funding, the abandoned mined land must be causing offsite environmental problems, will not be affected by the operator during the normal course of mining, and is not likely to be mined in the foreseeable future. If such lands exist adjacent to your permit area and you are interested in contracting for reclamation of the lands, complete this application, detach and send directly to:

Robert S. Baker, Manager
Mined Land Reclamation
Division of Reclamation
Fountain Square, H-2
Columbus, Ohio 43224

Upon receipt, a representative from the Mined Land Reclamation section will contact you.

Applicant: _____

Address: _____

City: _____ State _____ Zip _____

Business Telephone: _____

Contact Person: _____

Description of Abandoned Mined Land:

County: _____
Township: _____
Section/Lot: _____
Approximate Acreage: _____

Environmental problems associated with site:

_____

_____

_____

_____

2/96

_____ New Submittal
__X__ Revised Submittal R- 0425-6

OHIO DEPARTMENT OF NATURAL RESOURCES
DIVISION OF MINES AND RECLAMATION

APPLICATION TO REVISE A COAL MINING PERMIT

Note: Refer to the Division's "General Guideline for Processing ARPs" and "Requirements for Specific Types of Common ARPs" for guidance on submitting and processing ARPs.

1. Applicant's Name Bennoc, Inc.
   Address P.O. Box 208, 38722 National Road

   City Morristown State Ohio Zip 43759

   Telephone Number 740 - 782 - 1330

2. Permit Number D-0425

3. Section of mining and reclamation plan to be revised:

   PART 3, PAGE 23, ITEM A(12)(c), ***ITEM A(12)(e), and***
   PART 3, PAGE 23, ITEM A(14)(a)

4. Describe in detail the proposed revision and submit any necessary drawings, plans, maps, etc.:

   THIS REVISION INCLUDES CONSTRUCTION OF CONVEYOR SYSTEMS, HOIST HOUSE, RADIAL STACKER, CRUSHER HOUSE, RAW AND CLEAN COAL STORAGE PILES, PREPARATION PLANT, REFUSE BINS, ***OFFICE/BATHHOUSE, SEWAGE TREATMENT PLANT, AND WAREHOUSE.***
   SEE ATTACHED MAP AND ADDENDUM.

5. Describe in detail the reason for requesting the revision:

   THIS REVISION IS BEING SUBMITTED TO SHOW THE PROPOSED PLACEMENT OF SURFACE FACILITIES WHICH WILL SERVE THE CENTURY UNDERGROUND MINE.

6. Will this revision constitute a significant alternation from the mining and reclamation operation contemplated in the original permit? _____ Yes, __X__ No.
   (**Note:** refer to paragraph (E) (2) of 1501:13-04-06 of the Ohio Administrative Code to determine if a revision is deemed significant.)

   If "yes," complete the following items 7 through 9.

7. In the space below give the name and address of the newspaper in which the public notice is to be published.

   N/A

8. In the space below give the text of the public notice that is to be published. (Include the information required by paragraph (A)(1) of 1501:13-05-01 of the Ohio Administrative Code.)

   N/A

9. In the space below give the name and address of the public office where this application is to be filed for public viewing.

   N/A

I, the undersigned, a responsible official of the applicant, do hereby verify the information contained in this revision request is true and correct to the best of my information and belief.

Larry Conway — 3-1-01
Print Name — Date

Larry Conway — President
Signature — Title

Sworn before me and subscribed in my presence this 1st day of March, 20 01

Ellen M. Roper
Notary Public

ELLEN M. ROPER, Notary Public
State of Ohio
My Commission Expires 2001

FOR DIVISION USE ONLY

This request is hereby _____.

Chief, Division of Mines and Reclamation — Date

ADDENDUM TO A.R.P., ITEM 4.
BENNOC, INC., PERMIT D-0425

Page 23, Item A(12)(c)

Coal will be transported out of the mine by a conveyor belt to a raw coal stockpile via radial stacker. Coal may be loaded into trucks at this point and transported in a raw state to the consumer, and/or transported via conveyor to a stacker tube and raw coal piles. Coal will then be transported via conveyor to a crusher house, then, via conveyor to the preparation plant, then, via conveyor to the clean coal storage piles. Coal will be transported from the clean coal storage piles via conveyor to the clean coal silo, and from the clean coal silo via conveyor to the train loadout facility. Refuse from the preparation plant will be transported via conveyor to the refuse bins. Refuse bins will be emptied into trucks and hauled to Permit D-0360 which has an approved refuse disposal site. ***A coal preparation plant approximately 110' x 80' will be constructed on the hilltop area in the northern portion of the permit area, south of Twp. Rd. 74. The coal cleaning process will utilize a belt press system, therefore, there will be no slurry generation, only filter cake. Six beltline conveyors will be installed at this site. These conveyors will be covered, and/or totally enclosed where they pass over streams to prevent fugitive dust and coal spillage in the streams. A crusher house, approximately 30' x 65' will be constructed just south of the preparation plant. A radial stacker will be constructed just northeast of the slope entry, and utilized to stockpile raw coal from the mine. A hoist house, approximately 50' x 50' will be constructed southeast of Pond 001. Two refuse bins approximately 30' x 30' will be constructed southwest of the preparation plant to handle the early refuse from the prep plant. A train loadout, approximately 40' x 50', will be constructed north of the clean coal silo. All of these facilities will be constructed to comply with all applicable state and federal regulations. All facilities will be inspected and maintained throughout the life of the coal removal at the CENTURY MINE. Each of these structures will be removed from the site within two years following the removal of all coal reserves from the Century Mine.***

Coal stockpiles will be placed on a non-toxic, non-combustible impermeable ***1 foot thick*** base, constructed of ***the 26' thick gray shale shown in TH #1, and the 16' thick gray shale in TH #4,*** from the Bennoc, Inc. Permit D-1159 area, at the locations shown on the attached map. The stockpiles will be protected from erosion and contact with surface water. The coal stockpiles will be visually inspected and maintained as necessary to correct any problems that may occur. Drainage from the coal stockpile areas will flow to Pond 008 A, B, and C , through a series of diversion ditches numbered DD-W1 through DD-W5, and DD-E1 through DD-E5. (See attached I.B.R. for Diversion Ditch Design Computation Sheet) At the completion of mining, the coal stockpile areas will be reclaimed and revegetated.

All surface facilities shall be designed, constructed, and maintained, and restored, to prevent damage to fish, wildlife, and related environmental values. ***The conveyor from the clean coal silo to the train loadout will be totally enclosed. Any spillage from the conveyor belt will be contained within the belt enclosure. Loading at the proposed train loadout will be conducted in careful workmanlike manner to avoid any spillage of coal into Captina Creek. An earthen and/or concrete berm can be placed at the toe of the slope below the loadout to catch any spillage of coal that may occur.*** Additional contributions of suspended solids to stream flow or runoff outside the permitted area will be avoided by directing all drainage to sediment control ponds. No water discharged from the permit area will exceed effluent limitations thereby controlling and minimizing degradation of water quality or quantity. Sediment control structures will control and minimize erosion and siltation thereby preventing damage to public or private property.

Page 23, Item A(12)(e):

An office/bathhouse, approximately 145' x 130', will be constructed on the old existing office concrete pad, just north of the Twp. Rd. 88 entrance into the facility. A warehouse, approximately 140' x 40', will be constructed on the old existing supply house concrete pad, just northeast of the proposed office/bathhouse. A sewage treatment plant, approximately 95' x 45', will be constructed due north of the proposed office/bathhouse. A permit to install for the sewage treatment plant has been submitted to the Ohio EPA, Southeast District Office for review and approval. Approval is pending. All of these facilities will be constructed to comply with all applicable state and federal regulations. All facilities will be inspected and maintained throughout the life of the coal removal at the CENTURY MINE. Each of these structures will be removed from the site within two years following the removal of all coal reserves from the Century Mine.

Page 23, Item A(14)(a):

~~Yes.~~ ~~Initially, all~~ coal mine waste will be transported ~~by truck~~ to Permit D-0360 which has an approved refuse disposal site. See Attachment 12 analysis of the coal refuse from the D-0360 refuse disposal site (attached) which is representative of the refuse which will be generated at the Century mine. The D-0360 refuse is generated from the same coal seam (Pittsburgh #8) proposed to be mined at the Century mine, and the D-0360 waste disposal site is located approximately 2 miles northeast of the Century mine site. The D-0360 refuse disposal site has a design capacity of 19,602,000 tons and a life of 9.5 to 11.4 years, depending on actual densities ranging from 100 to 120 pounds per cubic foot. ~~A coal refuse~~ disposal plan is currently being ~~developed for the Century mine site, therefore, refuse from the proposed preparation plant will be transported to D-0360 for a maximum period of 3 years or less, or until the Century Mine refuse disposal plan is completed, submitted and approved.~~

(1) Or to the coal refuse disposal site for which ~~application~~ is pending approval.

make sure these include the slurry pond #5.

ADDENDUM TO PART 3, PAGE 23, ITEM A(14)(a)
BENNOC, INC.

THE OHIO VALLEY COAL COMPANY

John R. Forrelli
President and General Manager

February 28, 2001

Mr. Michael L. Sponsler
Chief
Ohio Department of Natural Resources
Division of Mineral Resources Management
1855 Fountain Square Court
Columbus, OH 43224-1360

Dear Mr. Sponsler:

As the manager of The Ohio Valley Coal Company's Ohio Department of Natural Resources ("ODNR") Permit D-0360, I hereby state that the existing approved coal waste disposal site contained within Permit D-0360 can accommodate the waste generated during mine development, routine cleaning of coal stockpiles and conveyor belt areas, and waste from the proposed preparation plant on Bennoc, Inc.'s D-0425 reactivated permit area.

D-0360 Waste Area Information

Available capacity = 13.2 million cubic yards which provides a 9 year life based on 1.5 million cubic yards of waste being deposited yearly.

Permit D-0425 will deposit approximately 4.0 million cubic yards in a three year period while it's waste disposal permit is being developed, submitted and approved. This will reduce the life of the waste area at Permit D-0360 to 6 years.

Sincerely,

The Ohio Valley Coal Company

John R. Forrelli
President and General Manager

56854 PLEASANT RIDGE ROAD • ALLEDONIA, OHIO 43902
(740) 926-1351 • FAX (740) 926-1615

04/94

OHIO DEPARTMENT OF NATURAL RESOURCES
DIVISION OF RECLAMATION

ATTACHMENT 12
(DRILLING REPORT - SURFACE MINE)

Applicant's Name BENNOC, INC.

(Check one: ___X___ core drilled _____ rotary air, _____ other (describe)_____)

Typical Coarse Coal Refuse

Test Hole # _____

State Plane Coordinates X _____

Y _____

Lithologic Unit (1)	* Thickness Feet	pH	CaCo3 Deficiency (1000 Tons)	Neutralization Potential (1000 Tons)	Potential Acidity	Total Sulfur %	Physical Properties (2)			
Topsoil										
Subsoil							Compactible	Erodible	Color	Grain Size
Roof Rock	266.20-276.20	9.38	-314	355	40.6	1.30				
Floor Rock	358.70-368.70	9.23	-167	269	102	3.26				
Roof Rock	339.10-349.10	9.26	-179	241	61.9	1.96				
Floor Rock	284.30-294.30	9.37	21.0	44.9	65.9	2.11				
Roof Rock	236.30-246.30	9.34	-160	204	44.1	1.41				
Floor Rock	353.00-363.00	9.39	-75.8	167	91.2	2.92				
Roof Rock	332.40-342.40	9.34	-173	210	36.6	1.17				
Floor Rock	308.70-318.70	9.38	-282	319	37.1	1.19				
Floor Rock	251.30-261.30	8.96	-44.8	107	62.2	1.99				
Floor Rock	328.60-338.60	9.03	-54.0	178	124	3.96				
Floor Rock	328.10-338.10	9.18	-140	199	59.0	1.89				
Roof Rock	311.40-321.40	9.37	-256	296	40.0	1.28				
Floor Rock Gregg	299-309	9.27	-119	214	95.0	3.04				
Roof Rock Gregg	281.10-291.10	9.48	-247	286	38.7	1.24				

_____ Total Thickness _____ Surface elevation of test hole

Coal Seam Information

NAME	NUMBER	TOTAL SULFUR %	PYRITE/MARCASITE SULFUR %

(1) If subsurface water was encountered, identify the stratum in which it was encountered by an asterisk (*).
(2) Describe any observable physical properties of such stratum (e.g. color, grain size, compactiblity, erodiblity, etc.)

* The thickness column refers to depth ranges. Roof rock consists of the immediate ten feet above the roof coal. Floor rock is the immediate ten feet below the Pittsburgh No. 8 coalbed. The "Gregg" appearing after the last two entries has no significance. Note: There is no acid base accounting for the #8 coal recorded on this Attachment 12.

AEC 08520

2/96

_____ New Submittal
__X__ Revised Submittal R- 0425-6

OHIO DEPARTMENT OF NATURAL RESOURCES
DIVISION OF MINES AND RECLAMATION

APPLICATION TO REVISE A COAL MINING PERMIT

Note: Refer to the Division's "General Guideline for Processing ARPs" and "Requirements for Specific Types of Common ARPs" for guidance on submitting and processing ARPs.

1. Applicant's Name Bennoc, Inc.
   Address P.O. Box 208, 38722 National Road

   City Morristown State Ohio Zip 43759

   Telephone Number 740 - 782 - 1330

2. Permit Number D-0425

3. Section of mining and reclamation plan to be revised:

   PART 3, PAGE 23, ITEM A(12)(c), ***ITEM A(12)(e), and***
   PART 3, PAGE 23, ITEM A(14)(a)

4. Describe in detail the proposed revision and submit any necessary drawings, plans, maps, etc.:

   THIS REVISION INCLUDES CONSTRUCTION OF CONVEYOR SYSTEMS, HOIST HOUSE, RADIAL STACKER, CRUSHER HOUSE, RAW AND CLEAN COAL STORAGE PILES, PREPARATION PLANT, REFUSE BINS, ***OFFICE/BATHHOUSE, SEWAGE TREATMENT PLANT, AND WAREHOUSE.*** SEE ATTACHED MAP AND ADDENDUM.

5. Describe in detail the reason for requesting the revision:

   THIS REVISION IS BEING SUBMITTED TO SHOW THE PROPOSED PLACEMENT OF SURFACE FACILITIES WHICH WILL SERVE THE CENTURY UNDERGROUND MINE.

6. Will this revision constitute a significant alternation from the mining and reclamation operation contemplated in the original permit? _____ Yes, __X__ No.
   (**Note:** refer to paragraph (E) (2) of 1501:13-04-06 of the Ohio Administrative Code to determine if a revision is deemed significant.)

   If "yes," complete the following items 7 through 9.

7. In the space below give the name and address of the newspaper in which the public notice is to be published.

   N/A

8. In the space below give the text of the public notice that is to be published. (Include the information required by paragraph (A)(1) of 1501:13-05-01 of the Ohio Administrative Code.)

   N/A

9. In the space below give the name and address of the public office where this application is to be filed for public viewing.

   N/A

I, the undersigned, a responsible official of the applicant, do hereby verify the information contained in this revision request is true and correct to the best of my information and belief.

Larry Conway — Print Name
3-1-01 — Date
Larry Conway — Signature
President — Title

Sworn before me and subscribed in my presence this 1st day of March, 20 01

Ellen M. Loper
Notary Public

ELLEN M. LOPER, Notary Public
State of Ohio
My Commission Expires Sept. 22, 2001

FOR DIVISION USE ONLY

This request is hereby _____.

Chief, Division of Mines and Reclamation — Date

ADDENDUM TO A.R.P., ITEM 4.
BENNOC, INC., PERMIT D-0425

Page 23, Item A(12)(c)

Coal will be transported out of the mine by a conveyor belt to a raw coal stockpile via radial stacker. Coal may be loaded into trucks at this point and transported in a raw state to the consumer, and/or transported via conveyor to a stacker tube and raw coal piles. Coal will then be transported via conveyor to a crusher house, then, via conveyor to the preparation plant, then, via conveyor to the clean coal storage piles. Coal will be transported from the clean coal storage piles via conveyor to the clean coal silo, and from the clean coal silo via conveyor to the train loadout facility. Refuse from the preparation plant will be transported via conveyor to the refuse bins. Refuse bins will be emptied into trucks and hauled to Permit D-0360 which has an approved refuse disposal site. ***A coal preparation plant approximately 110' x 80' will be constructed on the hilltop area in the northern portion of the permit area, south of Twp. Rd. 74. The coal cleaning process will utilize a belt press system, therefore, there will be no slurry generation, only filter cake. Six beltline conveyors will be installed at this site. These conveyors will be covered, and/or totally enclosed where they pass over streams to prevent fugitive dust and coal spillage in the streams. A crusher house, approximately 30' x 65' will be constructed just south of the preparation plant. A radial stacker will be constructed just northeast of the slope entry, and utilized to stockpile raw coal from the mine. A hoist house, approximately 50' x 50' will be constructed southeast of Pond 001. Two refuse bins approximately 30' x 30' will be constructed southwest of the preparation plant to handle the early refuse from the prep plant. A train loadout, approximately 40' x 50', will be constructed north of the clean coal silo. All of these facilities will be constructed to comply with all applicable state and federal regulations. All facilities will be inspected and maintained throughout the life of the coal removal at the CENTURY MINE. Each of these structures will be removed from the site within two years following the removal of all coal reserves from the Century Mine.***

Coal stockpiles will be placed on a non-toxic, non-combustible impermeable ***1 foot thick*** base, constructed of ***the 26' thick gray shale shown in TH #1, and the 16' thick gray shale in TH #4,*** from the Bennoc, Inc. Permit D-1159 area, at the locations shown on the attached map. The stockpiles will be protected from erosion and contact with surface water. The coal stockpiles will be visually inspected and maintained as necessary to correct any problems that may occur. Drainage from the coal stockpile areas will flow to Pond 008 A, B, and C , through a series of diversion ditches numbered DD–W1 through DD-W5, and DD-E1 through DD-E5. (See attached I.B.R. for Diversion Ditch Design Computation Sheet) At the completion of mining, the coal stockpile areas will be reclaimed and revegetated.

All surface facilities shall be designed, constructed, and maintained, and restored, to prevent damage to fish, wildlife, and related environmental values. ***The conveyor from the clean coal silo to the train loadout will be totally enclosed. Any spillage from the conveyor belt will be contained within the belt enclosure. Loading at the proposed train loadout will be conducted in careful workmanlike manner to avoid any spillage of coal into Captina Creek. An earthen and/or concrete berm can be placed at the toe of the slope below the loadout to catch any spillage of coal that may occur.*** Additional contributions of suspended solids to stream flow or runoff outside the permitted area will be avoided by directing all drainage to sediment control ponds. No water discharged from the permit area will exceed effluent limitations thereby controlling and minimizing degradation of water quality or quantity. Sediment control structures will control and minimize erosion and siltation thereby preventing damage to public or private property.

Page 23, Item A(12)(e):

An office/bathhouse, approximately 145' x 130', will be constructed on the old existing office concrete pad, just north of the Twp. Rd. 88 entrance into the facility. A warehouse, approximately 140' x 40', will be constructed on the old existing supply house concrete pad, just northeast of the proposed office/bathhouse. A sewage treatment plant, approximately 95' x 45', will be constructed due north of the proposed office/bathhouse. A permit to install for the sewage treatment plant has been submitted to the Ohio EPA, Southeast District Office for review and approval. Approval is pending. All of these facilities will be constructed to comply with all applicable state and federal regulations. All facilities will be inspected and maintained throughout the life of the coal removal at the CENTURY MINE. Each of these structures will be removed from the site within two years following the removal of all coal reserves from the Century Mine.

Page 23, Item A(14)(a):

Yes. Initially, all coal mine waste will be transported by truck to Permit D-0360 which has an approved refuse disposal site. See Attachment 12 analysis of the coal refuse from the D-0360 refuse disposal site (attached) which is representative of the refuse which will be generated at the Century mine. The D-0360 refuse is generated from the same coal seam (Pittsburgh #8) proposed to be mined at the Century mine, and the D-0360 waste disposal site is located approximately 2 miles northeast of the Century mine site. The D-0360 refuse disposal site has a design capacity of 19,602,000 tons and a life of 9.5 to 11.4 years, depending on actual densities ranging from 100 to 120 pounds per cubic foot. A coal refuse disposal plan is currently being developed for the Century mine site, therefore, refuse from the proposed preparation plant will be transported to D-0360 for a maximum period of 3 years or less, or until the Century Mine refuse disposal plan is completed, submitted and approved.

ADDENDUM TO PART 3, PAGE 23, ITEM A(14)(a)
BENNOC, INC.

THE OHIO VALLEY COAL COMPANY

John R. Forrelli
President and General Manager

February 28, 2001

Mr. Michael L. Sponsler
Chief
Ohio Department of Natural Resources
Division of Mineral Resources Management
1855 Fountain Square Court
Columbus, OH 43224-1360

Dear Mr. Sponsler:

As the manager of The Ohio Valley Coal Company's Ohio Department of Natural Resources ("ODNR") Permit D-0360, I hereby state that the existing approved coal waste disposal site contained within Permit D-0360 can accommodate the waste generated during mine development, routine cleaning of coal stockpiles and conveyor belt areas, and waste from the proposed preparation plant on Bennoc, Inc.'s D-0425 reactivated permit area.

D-0360 Waste Area Information

Available capacity = 13.2 million cubic yards which provides a 9 year life based on 1.5 million cubic yards of waste being deposited yearly.

Permit D-0425 will deposit approximately 4.0 million cubic yards in a three year period while it's waste disposal permit is being developed, submitted and approved. This will reduce the life of the waste area at Permit D-0360 to 6 years.

Sincerely,

The Ohio Valley Coal Company

John R. Forrelli
President and General Manager

56854 PLEASANT RIDGE ROAD • ALLEDONIA, OHIO 43902
(740) 926-1351 • FAX (740) 926-1615

04/94

OHIO DEPARTMENT OF NATURAL RESOURCES
DIVISION OF RECLAMATION

ATTACHMENT 12
(DRILLING REPORT - SURFACE MINE)

Applicant's Name BENNOC, INC.

(Check one: ___X___ core drilled _____ rotary air, _____ other (describe)_____)

Typical Coarse Coal Refuse

Test Hole # _____

State Plane Coordinates X _____

Y _____

Lithologic Unit (1)	* Thickness Feet	pH	CaCo3 Deficiency (1000 Tons)	Neutralization Potential (1000 Tons)	Potential Acidity	Total Sulfur %	Physical Properties (2)			
Topsoil										
Subsoil							Compactible	Erodible	Color	Grain Size
Roof Rock	266.20-276.20	9.38	-314	355	40.6	1.30				
Floor Rock	358.70-368.70	9.23	-167	269	102	3.26				
Roof Rock	339.10-349.10	9.26	-179	241	61.9	1.96				
Floor Rock	284.30-294.30	9.37	21.0	44.9	65.9	2.11				
Roof Rock	236.30-246.30	9.34	-160	204	44.1	1.41				
Floor Rock	353.00-363.00	9.39	-75.8	167	91.2	2.92				
Roof Rock	332.40-342.40	9.34	-173	210	36.6	1.17				
Floor Rock	308.70-318.70	9.38	-282	319	37.1	1.19				
Floor Rock	251.30-261.30	8.96	-44.8	107	62.2	1.99				
Floor Rock	328.60-338.60	9.03	-54.0	178	124	3.96				
Floor Rock	328.10-338.10	9.18	-140	199	59.0	1.89				
Roof Rock	311.40-321.40	9.37	-256	296	40.0	1.28				
Floor Rock, Gregg	299-309	9.27	-119	214	95.0	3.04				
Roof Rock Gregg	281.10-291.10	9.48	-247	286	38.7	1.24				

_____ Total Thickness _____ Surface elevation of test hole

Coal Seam Information

NAME	NUMBER	TOTAL SULFUR %	PYRITE/MARCASITE SULFUR %

(1) If subsurface water was encountered, identify the stratum in which it was encountered by an asterisk (*).
(2) Describe any observable physical properties of such stratum (e.g. color, grain size, compactiblity, erodiblity, etc.)

* The thickness column refers to depth ranges. Roof rock consists of the immediate ten feet above the roof coal. Floor rock is the immediate ten feet below the Pittsburgh No. 8 coalbed. The "Gregg" appearing after the last two entries has no significance. Note: There is no acid base accounting for the #8 coal recorded on this Attachment 12.

AEC 08526

COAL MINING AND RECLAMATION PERMIT
APPLICATION TO REVISE A PERMIT (ARP)

Issued To: AMERICAN ENERGY CORP
43521 Mayhugh Hill Rd.
Beallsville, OH 43716

Telephone: (740) 926-9152

Permit Number: D-425
Application Number R-425-8

Effective: 01/03/2003
Expires: 10/21/2004

ARP Type:
Revise Refuse Disposal Plan

The issuance of this ARP means only that the application to conduct a coal mining operation meets the requirements of Chapter 1513 of the Revised Code, and as such DOES NOT RELIEVE the operator of any obligation to meet other federal, state or local requirements. .

This ARP is issued in accordance with and subject to the provisions, conditions, and limitations of Chapter 1513 of the Revised Code and Chapters 1501:13-1, 1501:13-3 through 1501:13-14 of the Administrative Code.

The approved water monitoring plan for this ARP is:

Quality: N/A
Quantity: N/A

Note: Any previous condition(s) imposed on this permit, or subsequent adjacent areas, also apply to this ARP unless noted otherwise.

Signature: _____ **Date:** 01/03/2003
Chief, Mineral Resources Management

OPERATOR

F100 Rev: 07/01/2001

2/96

_____ New Submittal
__X__ Revised Submittal R- 0425-8

OHIO DEPARTMENT OF NATURAL RESOURCES
DIVISION OF MINES AND RECLAMATION

APPLICATION TO REVISE A COAL MINING PERMIT

Note: Refer to the Division's "General Guideline for Processing ARPs" and "Requirements for Specific Types of Common ARPs" for guidance on submitting and processing ARPs.

1. Applicant's Name American Energy Corporation

   Address 43521 Mayhugh Hill Road

   City Beallsville State Ohio Zip 43950
   Telephone Number 740 -926 - 9152

2. Permit Number D-0425

3. Section of mining and reclamation plan to be revised:

   PART 3, PAGE 23, ITEM A(14)(a)

4. Describe in detail the proposed revision and submit any necessary drawings, plans, maps, etc.:

   THIS REVISION INCLUDES CHANGES TO REFUSE DISPOSAL PLAN

5. Describe in detail the reason for requesting the revision:

   THIS REVISION IS BEING SUBMITTED TO SHOW DETAILS OF THE CENTURY MINE REFUSE DISPOSAL

6. Will this revision constitute a significant alternation from the mining and reclamation operation contemplated in the original permit? _____ Yes, __X__ No.
   (**Note:** refer to paragraph (E) (2) of 1501:13-04-06 of the Ohio Administrative Code to determine if a revision is deemed significant.)

   If "yes," complete the following items 7 through 9.

OPERATOR

7. In the space below give the name and address of the newspaper in which the public notice is to be published.

   N/A

8. In the space below give the text of the public notice that is to be published. (Include the information required by paragraph (A)(1) of 1501:13-05-01 of the Ohio Administrative Code.)

   N/A

9. In the space below give the name and address of the public office where this application is to be filed for public viewing.

   N/A

I, the undersigned, a responsible official of the applicant, do hereby verify the information contained in this revision request is true and correct to the best of my information and belief.

Robert D. Moore
Print Name

Date

[signature]
Signature

President
Title

Sworn before me and subscribed in my presence this 22nd day of July, 2002

NOTARIAL SEAL STATE OF OHIO
BARBARA L. RUSH
NOTARY PUBLIC, STATE OF OHIO
MY COMMISSION EXPIRES 9-01-04

Barbara L. Rush
Notary Public

FOR DIVISION USE ONLY

This request is hereby APPROVED.

Michael G. Sponsler by R. Xotter
Chief, Division of Mines and Reclamation

Date 1-3-03

ADDENDUM TO A.R.P., ITEM 4.
AMERICAN ENERGY CORPORATION, PERMIT D-0425

Page 23, Item A(14)(a):

Yes. Coal mine waste will be transported to Permit D-0360 which has an approved refuse disposal site, or to the D-1159 temporary coal refuse disposal site. See Attachment 12 analysis of the coal refuse from the D-0360 refuse disposal site (attached) which is representative of the refuse which will be generated at the Century mine. The D-0360 refuse is generated from the same coal seam (Pittsburgh #8) proposed to be mined at the Century mine, and the D-0360 waste disposal site is located approximately 2 miles northeast of the Century mine site. The D-0360 refuse disposal site has a design capacity of 19,602,000 tons and a life of approximately 8 years, depending on actual densities ranging from 100 to 120 pounds per cubic foot.

Page 23, Item A(14)(b):

ARP for Permit D-0360 has been submitted, and ARP to D-1159 was issued as R-1159-4 on 4/24/02.

OPERATOR

July 17, 2002

Ms. Melanie Homan
Environmental Engineer
American Energy Corporation
43521 Mayhugh Hill Road
Township Highway 88
Beallsville OH 43716

Dear Ms. Homan:

This letter is to inform you of the refuse capacity of the Ohio Valley Coal Company as of July 1, 2002. Our engineers have determined that at our current production of approximately 5 million clean tons of coal per year, we have sufficient coarse refuse capacity permitted for approximately 8 years. At that same rate of production, we have sufficient fine coal capacity permitted for approximately 8 years. If you have any questions, please contact me.

Sincerely,
THE OHIO VALLEY COAL COMPANY

John R. Forrelli
President and General Manager

cc: File

56854 PLEASANT RIDGE ROAD • ALLEDONIA OHIO 43902
(740) 926-1351 • FAX (740) 926-1615

04/94

OHIO DEPARTMENT OF NATURAL RESOURCES
DIVISION OF RECLAMATION

ATTACHMENT 12
(DRILLING REPORT - SURFACE MINE)

Applicant's Name BENNOC, INC.

(Check one: ___X___ core drilled _____ rotary air, _____ other (describe)_____)

Test Hole # Typical Coarse Coal Refuse

State Plane Coordinates X _____

Y _____

Lithologic Unit (1)	* Thickness Feet	pH	CaCo3 Deficiency (1000 Tons)	Neutralization Potential (1000 Tons)	Potential Acidity	Total Sulfur %	Physical Properties (2)			
Topsoil										
Subsoil							Compactible	Erodible	Color	Grain Size
Roof Rock	266.20-276.20	9.38	-314	355	40.6	1.30				
Floor Rock	358.70-368.70	9.23	-167	269	102	3.26				
Roof Rock	339.10-349.10	9.26	-179	241	61.9	1.96				
Floor Rock	284.30-294.30	9.37	21.0	44.9	65.9	2.11				
Roof Rock	236.30-246.30	9.34	-160	204	44.1	1.41				
Floor Rock	353.00-363.00	9.39	-75.8	167	91.2	2.92				
Roof Rock	332.40-342.40	9.34	-173	210	36.6	1.17				
Floor Rock	308.70-318.70	9.38	-282	319	37.1	1.19				
Floor Rock	251.30-261.30	8.96	-44.8	107	62.2	1.99				
Floor Rock	328.60-338.60	9.03	-54.0	178	124	3.96				
Floor Rock	328.10-338.10	9.18	-140	199	59.0	1.89				
Roof Rock	311.40-321.40	9.37	-256	296	40.0	1.28				
Floor Rock Gregg	299-309	9.27	-119	214	95.0	3.04				
Roof Rock Gregg	281.10-291.10	9.48	-247	286	38.7	1.24				

_____ Total Thickness _____ Surface elevation of test hole

Coal Seam Information

NAME	NUMBER	TOTAL SULFUR %	PYRITE/MARCASITE SULFUR %

(1) If subsurface water was encountered, identify the stratum in which it was encountered by an asterisk (*).
(2) Describe any observable physical properties of such stratum (e.g. color, grain size, compactiblity, erodiblity, etc.)

* The thickness column refers to depth ranges. Roof rock consists of the immediate ten feet above the roof coal. Floor rock is the immediate ten feet below the Pittsburgh No. 8 coalbed. The "Gregg" appearing after the last two entries has no significance. Note: There is no acid base accounting for the #8 coal recorded on this Attachment 12.

AEC 08532

2/96

_____ New Submittal
__X__ Revised Submittal R- 0425-7

OHIO DEPARTMENT OF NATURAL RESOURCES
DIVISION OF MINES AND RECLAMATION

APPLICATION TO REVISE A COAL MINING PERMIT

Note: Refer to the Division's "General Guideline for Processing ARPs" and "Requirements for Specific Types of Common ARPs" for guidance on submitting and processing ARPs.

1. Applicant's Name _____ American Energy Corporation

   Address ___43521 Mayhugh Hill Road

   City _____Beallsville_____ State _____Ohio_____ Zip __43950
   Telephone Number ___740___ -926___ - __9152

2. Permit Number __D-0425

3. Section of mining and reclamation plan to be revised:

   PART 3, PAGE 23, ITEM A(14)(a)

4. Describe in detail the proposed revision and submit any necessary drawings, plans, maps, etc.:

   THIS REVISION INCLUDES CHANGES TO REFUSE DISPOSAL PLAN

5. Describe in detail the reason for requesting the revision:

   THIS REVISION IS BEING SUBMITTED TO SHOW DETAILS OF THE CENTURY MINE REFUSE DISPOSAL

6. Will this revision constitute a significant alternation from the mining and reclamation operation contemplated in the original permit? _____ Yes, __X__ No.
   (**Note:** refer to paragraph (E) (2) of 1501:13-04-06 of the Ohio Administrative Code to determine if a revision is deemed significant.)

   If "yes," complete the following items 7 through 9.

7. In the space below give the name and address of the newspaper in which the public notice is to be published.

   N/A

8. In the space below give the text of the public notice that is to be published. (Include the information required by paragraph (A)(1) of 1501:13-05-01 of the Ohio Administrative Code.)

   N/A

9. In the space below give the name and address of the public office where this application is to be filed for public viewing.

   N/A

I, the undersigned, a responsible official of the applicant, do hereby verify the information contained in this revision request is true and correct to the best of my information and belief.

Robert D. Moore
Print Name

Date

Signature

President
Title

Sworn before me and subscribed in my presence this 22nd day of July, 2002

BARBARA L. RUSH
NOTARY PUBLIC, STATE OF OHIO
MY COMMISSION EXPIRES 9-01-04

Barbara L. Rush
Notary Public

FOR DIVISION USE ONLY

This request is hereby _____.

_Chief, Division of Mines and Reclamation

Date

ADDENDUM TO A.R.P., ITEM 4.
AMERICAN ENERGY CORPORATION, PERMIT D-0425

Page 23, Item A(14)(a):

Yes. Coal mine waste will be transported to Permit D-0360 which has an approved refuse disposal site, or to the D-0425 coal refuse disposal site for which approval is pending. See Attachment 12 analysis of the coal refuse from the D-0360 refuse disposal site (attached) which is representative of the refuse which will be generated at the Century mine. The D-0360 refuse is generated from the same coal seam (Pittsburgh #8) proposed to be mined at the Century mine, and the D-0360 waste disposal site is located approximately 2 miles northeast of the Century mine site. The D-0360 refuse disposal site has a design capacity of 19,602,000 tons and a life of approximately 8 years, depending on actual densities ranging from 100 to 120 pounds per cubic foot.

July 17, 2002

Ms. Melanie Homan
Environmental Engineer
American Energy Corporation
43521 Mayhugh Hill Road
Township Highway 88
Beallsville OH 43716

Dear Ms. Homan:

This letter is to inform you of the refuse capacity of the Ohio Valley Coal Company as of July 1, 2002. Our engineers have determined that at our current production of approximately 5 million clean tons of coal per year, we have sufficient coarse refuse capacity permitted for approximately 8 years. At that same rate of production, we have sufficient fine coal capacity permitted for approximately 8 years. If you have any questions, please contact me.

Sincerely,
THE OHIO VALLEY COAL COMPANY

John R. Forrelli
President and General Manager

cc: File

56854 PLEASANT RIDGE ROAD • ALLEDONIA OHIO 43902
(740) 926-1351 • FAX (740) 926-1615

04/94

OHIO DEPARTMENT OF NATURAL RESOURCES
DIVISION OF RECLAMATION

ATTACHMENT 12
(DRILLING REPORT - SURFACE MINE)

Applicant's Name BENNOC, INC.

(Check one: ___X___ core drilled _____ rotary air, _____ other (describe)_____)

Typical Coarse Coal Refuse

Test Hole # _____

State Plane Coordinates X _____

Y _____

Lithologic Unit (1)	* Thickness Feet	pH	CaCo3 Deficiency (1000 Tons)	Neutralization Potential (1000 Tons)	Potential Acidity	Total Sulfur %	Physical Properties (2)			
Topsoil										
Subsoil							Compactible	Erodible	Color	Grain Size
Roof Rock	266.20-276.20	9.38	-314	355	40.6	1.30				
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Roof Rock	311.40-321.40	9.37	-256	296	40.0	1.28				
Floor Rock Gregg	299-309	9.27	-119	214	95.0	3.04				
Roof Rock Gregg	281.10-291.10	9.48	-247	286	38.7	1.24				

_____ Total Thickness _____ Surface elevation of test hole

Coal Seam Information

NAME	NUMBER	TOTAL SULFUR %	PYRITE/MARCASITE SULFUR %

(1) If subsurface water was encountered, identify the stratum in which it was encountered by an asterisk (*).
(2) Describe any observable physical properties of such stratum (e.g. color, grain size, compactiblity, erodiblity, etc.)

* The thickness column refers to depth ranges. Roof rock consists of the immediate ten feet above the roof coal. Floor rock is the immediate ten feet below the Pittsburgh No. 8 coalbed. The "Gregg" appearing after the last two entries has no significance. Note: There is no acid base accounting for the #8 coal recorded on this Attachment 12.

AEC 08537

Ohio Department of Natural Resources

BOB TAFT, GOVERNOR — SAMUEL W. SPECK, DIRECTOR

Division of Mineral Resources Management
Michael L. Sponsler • Chief
1855 Fountain Square Court-Bldg. H-2
Columbus, Ohio 43224-1383
Phone (614) 265-6633 Fax: (614) 265-7999

September 25, 2002

American Energy Corporation
43521 Mayhugh Hill Rd.
Beallsville, OH 43950

Dear Ms. Homan:

The Division of Mineral Resources Management completed our review of your recent Application to Revise a Permit (ARP) #R-425-8 on September 25, 2002 in which you propose to modify your permitted mining and/or reclamation plan. The attached revisions are required before we can further consider your request.

1. Page 23, A(14)

   a. If the D-1159 permit will be used, then a letter addressing the design capacity of that permit must also be included. Revise.

   b. ARPs for permits D-0360 and D-1159 must be submitted to address the coal waste disposal from D-0425. Indicate that such ARPs will be submitted, and submit the ARPs with these revisions.

2. Page 1, Item 4

   a. Approved ARP R-425-6 included a plan to dispose of coal refuse at D-360. Therefore, provide a more complete explanation why this ARP was submitted and how it modifies the plan detailed in R-425-6.

Please submit the required revisions within thirty (30) days of this letter to avoid delays in our review of your proposal. Should you require additional time, please do not hesitate to contact me at (614) 265-1073. Failure to submit the required revisions in a timely manner may result in your proposal being returned without further action.

Sincerely,

Treva J. Knasel
Application Manager
Permitting, Hydrology & Bonding Section

c: Mike Dillman
Kevin Ricks
File

Form A5 — Revised 10/2000

DNR 0001

AEC 08538

AMERICAN ENERGY CORPORATION

43521 Mayhugh Hill Road • Twp. Hwy. 88 • Beallsville, OH 43716

PHONE: (740) 926-9152
FAX: (740) 926-9138

July 29, 2002

Treva Knasel
Division of Mines & Reclamation
1855 Fountain Square Court
Building H-3
Columbus, Ohio 43224-1383

Dear Treva:
Enclosed is an ARP to Permit D-0425. Please review and contact me with any questions or comments.

Sincerely,

Melanie Homan

Melanie Homan
Civil and Environmental Engineer

AMERICAN ENERGY CORPORATION

43521 Mayhugh Hill Road • Twp. Hwy. 88 • Beallsville, OH 43716

PHONE: (740) 926-9152
FAX: (740) 926-9138

July 22, 2002

Scott Stiteler
Division of Mines & Reclamation
1855 Fountain Square Court
Building H-3
Columbus, Ohio 43224-1383

Dear Scott:
Enclosed is an ARP to Permit D-0425. Please review and contact me with any questions or comments.

Sincerely,

Melanie Homan
Civil and Environmental Engineer

COAL MINING AND RECLAMATION PERMIT
APPLICATION TO REVISE A PERMIT (ARP)

Issued To: AMERICAN ENERGY CORP
43521 Mayhugh Hill Rd.
Beallsville, OH 43716

Telephone: (740) 926-9152

Permit Number: D-425
Application Number R-425-9

Effective: 01/07/2003
Expires: 10/21/2004

ARP Type:
Pond Construction

The issuance of this ARP means only that the application to conduct a coal mining operation meets the requirements of Chapter 1513 of the Revised Code, and as such DOES NOT RELIEVE the operator of any obligation to meet other federal, state or local requirements.

This ARP is issued in accordance with and subject to the provisions, conditions, and limitations of Chapter 1513 of the Revised Code and Chapters 1501:13-1, 1501:13-3 through 1501:13-14 of the Administrative Code.

The approved water monitoring plan for this ARP is:

Quality: N/A
Quantity: N/A

Note: Any previous condition(s) imposed on this permit, or subsequent adjacent areas, also apply to this ARP unless noted otherwise.

Signature: Michael G. Sponsler by R. Walker **Date:** 01/07/2003
Chief, Mineral Resources Management

F100 Rev: 07/01/2001

OPERATOR

X New Submittal
____ Revised Submittal R- 425-9

OHIO DEPARTMENT OF NATURAL RESOURCES
DIVISION OF MINES AND RECLAMATION

APPLICATION TO REVISE A COAL MINING PERMIT

Note: Refer to the Division's "General Guideline for Processing ARPs" and "Requirements for Specific Types of Common ARPs" for guidance on submitting and processing ARPs.

1. Applicant's Name AMERICAN ENERGY CORPORATION

   Address 43521 MAYHUGH HILL ROAD

   City BEALLSVILLE State OHIO Zip 43716

   Telephone Number 740 - 926 - 9152

2. Permit Number D-0425 .

3. Section of mining and reclamation plan to be revised:

   PART 3, PAGE 27, ITEM G(4)

4. Describe in detail the proposed revision and submit any necessary drawings, plans, maps, etc.:

   THIS REVISION IS TO ADD FRESHWATER IMPOUNDMENT 2-S TO THE PERMIT.

5. Describe in detail the reason for requesting the revision:

   THIS POND PROVIDES MAKE UP WATER FOR THE WASH PLANT.

6. Will this revision constitute a significant alteration from the mining and reclamation operations contemplated in the original permit? _____ Yes, __X__ No.
   (**Note:** refer to paragraph (E) (2) of 1501:13-04-06 of the Ohio Administrative Code to determine if a revision is deemed significant.)

   If "yes", complete the following items 7 through 9.

OPERATOR

7. In the space below give the name and address of the newspaper in which the public notice is to be published.

8. In the space below give the text of the public notice that is to be published. (Include the information required by paragraph (A)(1) of 1501:13-05-01 of the Ohio Administrative Code.)

9. In the space below give the name and address of the public office where this application is to be filed for public viewing.

I, the undersigned, a responsible official of the applicant, do hereby verify the information contained in this revision request is true and correct to the best of my information and belief.

ROBERT D. MOORE — 8-09-02
Print Name — Date

Signature — PRESIDENT
Title

Sworn before me and subscribed in my presence this 9th day of August, 2002

BARBARA L. RUSH
NOTARY PUBLIC, STATE OF OHIO
MY COMMISSION EXPIRES 9-01-04

Barbara L. Rush
Notary Public

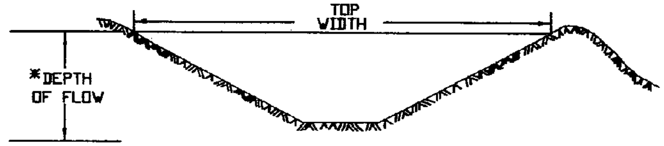
FOR DIVISION USE ONLY

APPROVED

This request is hereby ____.

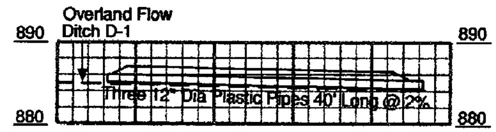
Michael L. Sponaugle — 1-7-03
Chief, Division of Mines and Reclamation — Date

OVERLAND FLOW DITCH #	DIVERSION DITCH LENGTH	DRAINAGE AREA (ACRES)	STORM DESIGN	DESIGN cfs	SLOPE	SIDE SLOPES	* DEPTH OF FLOW (MAXIMUM)	BOTTOM WIDTH	TOP WIDTH	VELOCITY FT/SEC (MAXIMUM)	CHANNEL LINING
OVERLAND FLOW DITCH D-1	250'	9.6	10YR/6HR	12.7	2.4%	2:1	2.0'	1.0'	9.0'	3.5	GRASS



TRAPEZOIDAL VEGETATED CHANNEL

* DEPTH OF FLOW INCLUDES 0.3' OF FREEBOARD



CROSS SECTION OF PROPOSED 12" DIA. PIPES

SCALE: 1" = 20'

——— Proposed Grade
– – – Existing Grade

DESIGN DATA FOR THREE 12" DIA. PLASTIC PIPES

1) Drainage Area = 9.6 Ac.
2) Rainfall 10Yr/6Hr = 2.8"
3) SCS Runoff CN = 73
4) Q Peak 10Yr/6Hr = 12.7 CFS
5) Required Headwater = 2.0'

NOTES:

(1) COMPUTER PROGRAM USED: SEDCAD 4.0
CURVE NUMBER: 73
RAINFALL 10YR/6HR: 2.8"

(2) THE DITCH WILL BE PERIODICALLY INSPECTED, CLEANED & MAINTAINED AS NEEDED.

12-18-02

STATE OF OHIO
DONALD M. BRAFFORD
E-59449
REGISTERED
PROFESSIONAL ENGINEER

Addendum To Part 3, Page 29, Item H(1)
AMERICAN ENERGY CORPORATION

OVERLAND FLOW DIVERSION DESIGN COMPUTATION SHEET

Section: 4	Township: 6	Range: 5
Township: WAYNE	County: BELMONT	

Jack A. HAMILTON & Associates, Inc.
342 High St., Box 471
Flushing, Ohio 43977
Ph: (740) 968-4947
Fax: (740) 968-4225
e-mail: hamilton@1st.net
www.hamiltonandassoc.com

DWG: C:\02001-S\OVERLANDDITCH1.dwg

April 1989

OHIO DEPARTMENT OF NATURAL RESOURCES
DIVISION OF RECLAMATION

CERTIFICATION 1

CERTIFICATION OF SEDIMENT CONTROL SYSTEM CONSTRUCTION

Permittee's Name AMERICAN ENERGY CORPORATION Permit D-0425

Complete both certification statements listed below.

A. I, the undersigned, a surveyor or engineer registered in the State of Ohio, hereby certify that the measurements of the constructed sediment control system described below conform to the measurements contained in the ~~approved original~~/"as built"* (specify one) design plan.

STATE OF OHIO ★ DONALD M. BRAFFORD E-29449 ★ REGISTERED PROFESSIONAL ENGINEER

Donald M Brafford — P.E. — 8-12-02
Signature — Title (engineer/surveyor) — Date

B. I, the undersigned, an engineer registered in the State of Ohio, hereby certify that the sediment control system described below has been constructed per the ~~approved original~~/"as built"* (specify one) design specifications and criteria and that:

1. the embankment foundation area was cleared of all organic matter and the entire foundation surface scarified;

2. the fill material was free of sod, large roots, other large vegetative matter, frozen soil, and coal processing waste; and

3. the fill was brought up in horizontal layers of such thickness as required to facilitate compaction in accordance with prudent construction standards.

STATE OF OHIO ★ DONALD M. BRAFFORD E-29449 ENGINEER'S SEAL ★ REGISTERED PROFESSIONAL ENGINEER

Donald M Brafford — 8-12-02
Signature — Date

* NOTE: If "as built", then "as built" plans must be attached to this certification.

This sediment control system consists of:

Sediment Ponds No. 1-S, _____, _____, _____
Diversions (describe in relation to pond numbers)

Other control methods (describe if different from permit descriptions)

OPERATOR

9-88

OHIO DEPARTMENT OF NATURAL RESOURCES
DIVISION OF RECLAMATION

ATTACHMENT 20
(SEDIMENTATION POND/IMPOUNDMENT DATA SHEET)

Applicant's Name AMERICAN ENERGY CORPORATION Pond # AS-BUILT 1-S

Type of impoundment EXCAVATED Permanent _____, Temporary X

1. POND DRAINAGE AREA DATA:

   a) Drainage area 6.9 acres
   b) Disturbed area 6.9 acres
   c) Ave. land slope 20 %
   d) Hydrologic soil group C
   e) Hydraulic length 100 ft.
   f) Cover/condition of the undisturbed area N/A

2. DESIGN STORM CRITERIA:

   a) Method:

      1) Design method (s) including computer programs: SEDCAD 4.0

      2) SCS curve number 86

   b) Rainfall Amount/Peak Flow

	Rainfall, in.	Peak flow, cfs.
1) 10 year, 24 hour =	3.7	16
2) 25 year, 24 hour =	4.3	19
3) 50 year, 6 hour = (if permanent)		
4) 100 year, 6 hour = (if 20/20 size)		

3. POND SIZE:

   a) Dimensions: N/A

   1) Dam height 3 ft.
   2) Dam width 10 ft.(MIN)
   3) Dam length 900 ft.
   4) Dam downstream slope 25 % (MAX)
   5) Dam upstream slope 30 % (MAX)
   6) Core length 870 ft. 10 ft. 4 ft.

   b) Sediment storage volume 15.12 ac. ft. is provided below the 855.5 foot elevation.

   c) Stage/Area Data:

	Elevation ft.	Surface Area ac.	Volume ac. ft.
1) Bottom of pond	845.0	0.05	0
2) Streambed at upstream toe:	N/A	N/A	N/A
3) Principal spillway inlet:	N/A	N/A	N/A
4) Exit Channel Crest:	855.5	2.54	15.12
5) Top of embankment:	857.0	2.89	19.16

4. PRINCIPAL SPILLWAY: N/A
   a) Pipe length _____ ft.
   b) Pipe diameter _____ in.
   c) Pipe slope _____ %
   d) Riser diameter _____ in.
   e) Riser height _____ ft.
   f) Type of pipe _____
   g) Number of anti-seep collars _____; spacing along pipe _____ ft.
   h) Does the design include a trash rack? _____ Yes, _____ No.
   i) Does the design include an anti-vortex device? _____ Yes, ____ No.

5. EMERGENCY SPILLWAY/EXIT CHANNEL:

   a) Base width 12 ft.
   b) Design flow depth 0.2 ft. Depth in level section 0.4 ft.
   c) Exit slope 2.0 %
   d) Exit velocity 0.7 fps
   e) Channel lining GRASS MIXTURE
   f) Side slopes 2:1
   g) Freeboard 1.1 ft.
   h) Entrance slope 17 %
   i) Length of level section 10 ft.

6. The minimum static factor of safety for this impoundment is 1.5

7. Provide as an addendum to this attachment a detailed plan view or 2 cross sections of the impoundment.

8. Comments: THIS POND ALSO SERVES AS A FRESHWATER MAKE-UP POND.

9. Is this an MSHA structure? _____Yes, X No. If "yes," provide the MSHA ID. number if one has been assigned _____.

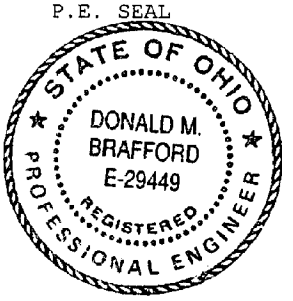
10. If this is to be retained as a permanent impoundment, submit an addendum to this attachment demonstrating compliance with rule 1501:13-9-04(H) (2) of the Administrative Code.

11. I hereby certify that this impoundment is designed to comply with the applicable requirements of rule 1501:13-9-04 of the Administrative Code using current, prudent engineering practices.

Donald M Brafford
Signature

8-12-02
Date

P.E. SEAL



April 1989

OHIO DEPARTMENT OF NATURAL RESOURCES
DIVISION OF RECLAMATION

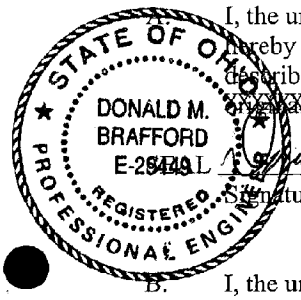
CERTIFICATION 2

CERTIFICATION OF IMPOUNDMENT CONSTRUCTION

Permitee's Name AMERICAN ENERGY CORPORATION Permit D-0425

Complete both certification statements listed below.

A. I, the undersigned, a surveyor or engineer registered in the State of Ohio, hereby certify that the measurements of the constructed impoundment described below conform to the measurements contained in the ~~approved original~~/"as built"* (specify one) design plan.



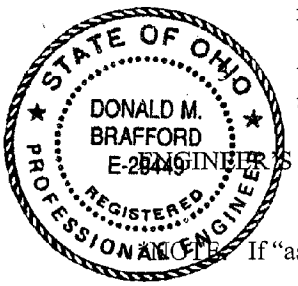
ENGINEER'S SEAL Donald M Brafford P.E. 12-18-02
Signature Title (engineer/surveyor) Date

B. I, the undersigned, an engineer registered in the State of Ohio, hereby certify that the impoundment described below has been constructed per the ~~approved original~~/"as built"*(specify one) design specifications and criteria and that:

1. the embankment foundation area was cleared of all organic matter and the entire foundation surface scarified;

2. the fill material was free of sod, large roots, other large vegetative matter, frozen soil, and coal processing waste; and

the fill was brought up in horizontal layers of such thickness as required to facilitate compaction in accordance with prudent construction standards.



ENGINEER'S SEAL Donald M Brafford 12-18-02
Signature Date

NOTE: If "as built," then "as built" plan must be attached to this certification.

Impoundment no. 2-s Type of Impoundment Embankment

9-88

OHIO DEPARTMENT OF NATURAL RESOURCES
DIVISION OF RECLAMATION

ATTACHMENT 20
(SEDIMENTATION POND/IMPOUNDMENT DATA SHEET)

Applicant's Name AMERICAN ENERGY CORPORATION Pond # AS-BUILT 2-S

Type of impoundment EMBANKMENT Permanent _____, Temporary X

1. POND DRAINAGE AREA DATA:

a) Drainage area 1.8 acres
b) Disturbed area 1.8 acres
c) Ave. land slope 20 %
d) Hydrologic soil group C
e) Hydraulic length 300 ft.
f) Cover/condition of the undisturbed area N/A

2. DESIGN STORM CRITERIA:

a) Method:

1) Design method (s) including computer programs: SEDCAD 4.0

2) SCS curve number 86

b) Rainfall Amount/Peak Flow

	Rainfall, in.	Peak flow, cfs.
1) 10 year, 24 hour =		
2) 25 year, 6 hour =	3.3	5
3) 50 year, 6 hour = (if permanent)		
4) 100 year, 6 hour = (if 20/20 size)		

3. POND SIZE:

a) Dimensions: N/A

1) Dam height 8.5 ft.
2) Dam width 6 ft.(MIN)
3) Dam length 160 ft.
4) Dam downstream slope 43 % (MAX)
5) Dam upstream slope 39 % (MAX)
6) Core length 160 ft. 10 ft. 4 ft.

b) Sediment storage volume 0.84 ac. ft. is provided below the 872.2 foot elevation.

c) Stage/Area Data:

	Elevation ft.	Surface Area ac.	Volume ac. ft.
1) Bottom of pond	865.0	0.07	0
2) Streambed at upstream toe:	N/A	N/A	N/A
3) Principal spillway inlet:	872.2	0.18	0.84
4) Exit Channel Crest:	N/A	N/A	N/A
5) Top of embankment:	873.5	0.22	1.10

4. PRINCIPAL SPILLWAY:
   a) Pipe length 177 ft.
   b) Pipe diameter 20 in.
   c) Pipe slope 8.9 %
   d) Riser diameter N/A in.
   e) Riser height N/A ft.
   f) Type of pipe PLASTIC
   g) Number of anti-seep collars _____; spacing along pipe _____ ft.
   h) Does the design include a trash rack? _____ Yes, X No.
   i) Does the design include an anti-vortex device? _____ Yes, X No.

5. EMERGENCY SPILLWAY/EXIT CHANNEL: N/A

   a) Base width _____ ft.
   b) Design flow depth _____ ft. Depth in level section ft.
   c) Exit slope _____ %
   d) Exit velocity _____ fps
   e) Channel lining _____
   f) Side slopes _____
   g) Freeboard _____ ft.
   h) Entrance slope _____ %
   i) Length of level section _____ ft.

6. The minimum static factor of safety for this impoundment is 1.5

7. Provide as an addendum to this attachment a detailed plan view or 2 cross sections of the impoundment.

8. Comments: THIS IMPOUNDMENT IS PART OF THE MAKE-UP WATER SYSTEM FOR THE WASH PLANT.

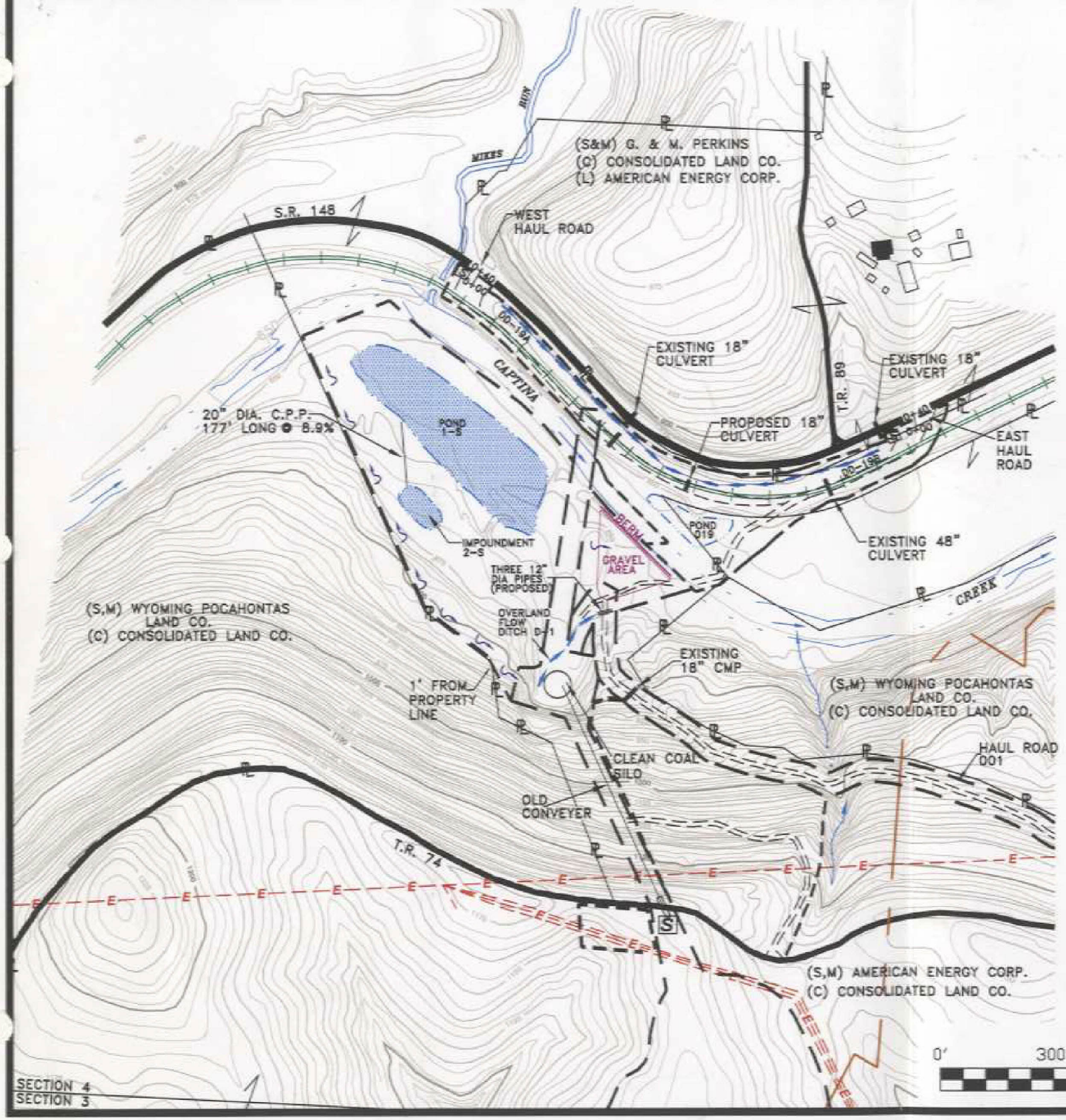
9. Is this an MSHA structure? _____Yes, X No. If "yes," provide the MSHA ID. number if one has been assigned _____.

10. If this is to be retained as a permanent impoundment, submit an addendum to this attachment demonstrating compliance with rule 1501:13-9-04(H) (2) of the Administrative Code.

11. I hereby certify that this impoundment is designed to comply with the applicable requirements of rule 1501:13-9-04 of the Administrative Code using current, prudent engineering practices.

Donald M Brafford
Signature

12-18-02
Date



N

RECEIVED
JAN 13 2003

APPLICATION TO REVISE PERMIT D-0425

AMERICAN ENERGY CORPORATION
43521 MAYHUGH HILL ROAD
BEALLSVILLE, OHIO 43716

PERMIT D-0425

AS-BUILT FRESHWATER IMPOUNDMENT 2-S AND AS-BUILT EXCAVATED POND 1-S

DIRECTION OF FLOW

SITUATED IN SECTION 4, T-6 R-5, WAYNE TOWNSHIP, BELMONT COUNTY, OHIO

LOCATED ON THE HUNTER USGS 7 1/2 MINUTE QUADRANGLE MAP.

SCALE: 1" = 300' CONTOUR INTERVAL: 5'

DATE PREPARED: AUGUST 05, 2002
DATE REVISED: DECEMBER 17, 2002

DEC 20 2002

I, THE UNDERSIGNED, HEREBY CERTIFY THAT TO THE BEST OF MY KNOWLEDGE AND BELIEF THIS MAP IS TRUE AND CORRECT.

Cathy M Bibbee
REGISTERED SURVEYOR

ACKNOWLEDGED BEFORE ME A NOTARY PUBLIC
THIS 18th DAY OF Dec., 2002.

Ellen M. Greer
NOTARY PUBLIC

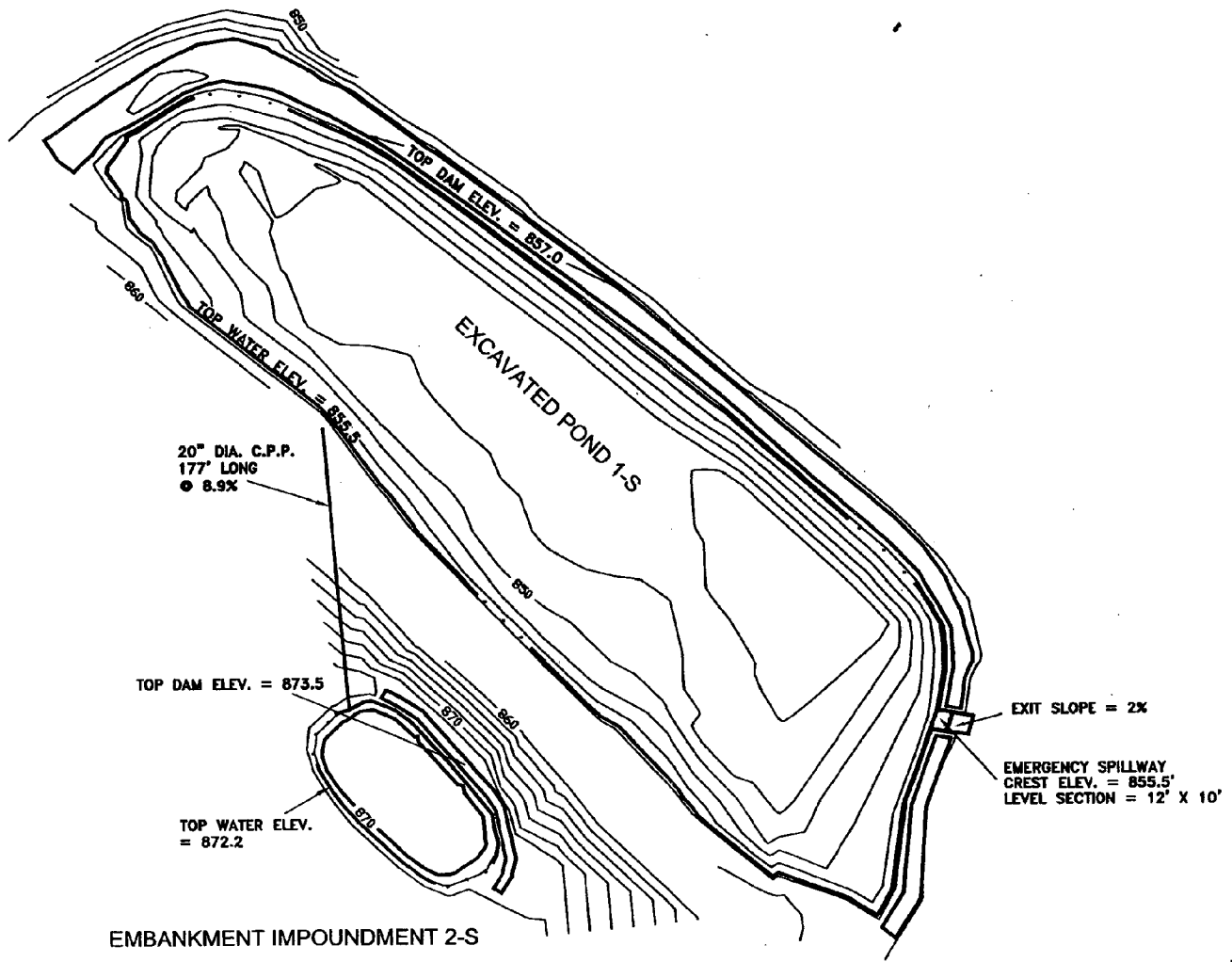
ELLEN M. GREER, Notary Public
State of Ohio
My Commission Expires September 23, 2002

DRAWING: C:\JOBS\625s\FRESHWATERIMP2-S.DWG DRAWN BY: CSL

AEC 08551

AMERICAN ENERGY CORPORATION

AS-BUILT PONDS:
EXCAVATED POND 1-S
EMBANKMENT IMPOUNDMENT 2-S



EMBANKMENT IMPOUNDMENT 2-S

12-18-02

Addendum To Attachment 20, Item 7.		
AS-BUILT PONDS: POND 1-S & IMPOUNDMENT 2-S		
Applicant: AMERICAN ENERGY CORPORATION D-0425		
Section: 4	Township: 6	Range: 5
Township: WAYNE	County: BELMONT	
Contour Interval: 2'	Scale: 1" = 100'	
Date: 08/05/02	Date Revised: 12/09/02	Comm #02-001S

Jack A. HAMILTON & Associates, Inc.
342 High St., Box 471
Flushing, Ohio 43977
Ph: (740) 968-4947
Fax: (740) 968-4225
e-mail: hamilton@1st.net
www.hamiltonandassoc.com

Ohio Department of Natural Resources

BOB TAFT, GOVERNOR — SAMUEL W. SPECK, DIRECTOR

Division of Mineral Resources Management
Michael L. Sponsler • Chief
1855 Fountain Square Court-Bldg. H-2
Columbus, Ohio 43224-1383
Phone (614) 265-6633 Fax: (614) 265-7999

November 20, 2002

American Energy Corporation
43521 Mayhugh Hill Rd.
Beallsville, OH 43716

Dear Sir or Madam:

The Division of Mineral Resources Management completed our review of your recent Application to Revise a Permit (ARP) #R-425-9 on November 20, 2002 in which you propose to modify your permitted mining and/or reclamation plan. The attached revisions are required before we can further consider your request.

1. Was DD1S-A proposed on IBR D-0425-3 constructed?
2. If DD1S-A was not constructed, how is the water being conveyed from the permitted area?
3. Submit a drainage area map covering impoundments 1-s and 2-s.
4. Pond 2-s
   a) Attachment 20: Type of impoundment is labeled as "Freshwater". Change impoundment type to "Embankment" on both the Attachment 20 and the Certification 2.
   b) Design impoundment for both a 10yr. 24hr. and 25yr. 24hr. storm event.
   c) If the 20" diameter C.P.P. was to plug, where will the water be conveyed?
   d) Correct Section 3. Pond Size: b) The elevation should be labeled 872.2 and not 972.2.

Please submit the required revisions within thirty (30) days of this letter to avoid delays in our review of your proposal. Should you require additional time, please do not hesitate to contact me. Failure to submit the required revisions in a timely manner may result in your proposal being returned without further action.

Sincerely,

Treva J. Knasel
Application Manager
Permitting, Hydrology & Bonding Section

c: Todd Crum
Jack A. Hamilton & Assoc.
File

JACK A. HAMILTON & ASSOCIATES, INC.
Consulting Engineers & Surveyors
Box 471 342 High Street
FLUSHING, OHIO 43977

(740) 968-4947
FAX (740) 968-4225

LETTER OF TRANSMITTAL

DATE	JOB NO.
August 13, 2002	02001-S
ATTENTION: Scott Stiteler	
RE: Application to Revise Permit D-0425	
American Energy Corporation	

TO ODNR Division of Mineral Resources Management

1855 Fountain Square Court

Columbus, Ohio 43224

WE ARE SENDING YOU ☒ Attached ☐ Under separate cover via US Mail the following items:

☐ Shop drawings ☐ Prints ☐ Plans ☐ Samples ☐ Specifications

☐ Copy of letter ☐ Change order ☒ See below

COPIES	DATE	NO.	DESCRIPTION
4			A.R.P.Form & Map
4			Certifications & Attachment 20's for As-Built POnds 1-S & 2-S

THESE ARE TRANSMITTED as checked below:

☐ For approval ☐ Approved as submitted ☐ Resubmit _____ copies for approval

☐ For your use ☐ Approved as noted ☐ Submit _____ copies for distribution

☐ As requested ☐ Returned for corrections ☐ Return _____ corrected prints

☐ For review and comment ☐ _____

☐ FOR BIDS DUE _____ ☐ PRINTS RETURNED AFTER LOAN TO US

REMARKS _____

COPY TO John Puterbaugh, Melanie Homan, File

SIGNED: Cathy M Bihlman

If enclosures are not as noted, kindly notify us at once.

AEC 08554

__X__ New Submittal
_____ Revised Submittal R- _____

OHIO DEPARTMENT OF NATURAL RESOURCES
DIVISION OF MINES AND RECLAMATION

APPLICATION TO REVISE A COAL MINING PERMIT

Note: Refer to the Division's "General Guideline for Processing ARPs" and "Requirements for Specific Types of Common ARPs" for guidance on submitting and processing ARPs.

1. Applicant's Name AMERICAN ENERGY CORPORATION

   Address 43521 MAYHUGH HILL ROAD

   City BEALLSVILLE State OHIO Zip 43716

   Telephone Number 740 - 926 - 9152

2. Permit Number D-0425 .

3. Section of mining and reclamation plan to be revised:

   PART 3, PAGE 27, ITEM G(4)

4. Describe in detail the proposed revision and submit any necessary drawings, plans, maps, etc.:

   THIS REVISION IS TO ADD FRESHWATER IMPOUNDMENT 2-S TO THE PERMIT.

5. Describe in detail the reason for requesting the revision:

   THIS POND PROVIDES MAKE UP WATER FOR THE WASH PLANT.

6. Will this revision constitute a significant alteration from the mining and reclamation operations contemplated in the original permit? _____ Yes, __X__ No.
   (**Note:** refer to paragraph (E) (2) of 1501:13-04-06 of the Ohio Administrative Code to determine if a revision is deemed significant.)

   If "yes", complete the following items 7 through 9.

7. In the space below give the name and address of the newspaper in which the public notice is to be published.

8. In the space below give the text of the public notice that is to be published. (Include the information required by paragraph (A)(1) of 1501:13-05-01 of the Ohio Administrative Code.)

9. In the space below give the name and address of the public office where this application is to be filed for public viewing.

I, the undersigned, a responsible official of the applicant, do hereby verify the information contained in this revision request is true and correct to the best of my information and belief.

ROBERT D. MOORE — 8-09-02
Print Name — Date

Signature — PRESIDENT
Title

Sworn before me and subscribed in my presence this 9th day of August, 2002

BARBARA L. RUSH
NOTARY PUBLIC, STATE OF OHIO
MY COMMISSION EXPIRES 9-01-04

Barbara L. Rush
Notary Public

FOR DIVISION USE ONLY

This request is hereby _____.

Chief, Division of Mines and Reclamation — Date

April 1989

OHIO DEPARTMENT OF NATURAL RESOURCES
DIVISION OF RECLAMATION

CERTIFICATION 1

CERTIFICATION OF SEDIMENT CONTROL SYSTEM CONSTRUCTION

Permittee's Name AMERICAN ENERGY CORPORATION Permit D-0425

Complete both certification statements listed below.

A. I, the undersigned, a surveyor or engineer registered in the State of Ohio, hereby certify that the measurements of the constructed sediment control system described below conform to the measurements contained in the ~~approved as~~/"as built"* (specify one) design plan.

STATE OF OHIO ★ DONALD M. BRAFFORD E-29449 ★ REGISTERED PROFESSIONAL ENGINEER

Donald M Brafford — P.E. — 8-12-02
Signature — Title (engineer/surveyor) — Date

B. I, the undersigned, an engineer registered in the State of Ohio, hereby certify that the sediment control system described below has been constructed per the ~~approved as~~/"as built"* (specify one) design specifications and criteria and that:

1. the embankment foundation area was cleared of all organic matter and the entire foundation surface scarified;

2. the fill material was free of sod, large roots, other large vegetative matter, frozen soil, and coal processing waste; and

3. the fill was brought up in horizontal layers of such thickness as required to facilitate compaction in accordance with prudent construction standards.

STATE OF OHIO ★ DONALD M. BRAFFORD E-29449 ENGINEER'S SEAL ★ REGISTERED PROFESSIONAL ENGINEER

Donald M Brafford — 8-12-02
Signature — Date

* NOTE: If "as built", then "as built" plans must be attached to this certification.

This sediment control system consists of:

Sediment Ponds No. 1-S, _____, _____, _____
Diversions (describe in relation to pond numbers)

Other control methods (describe if different from permit descriptions)

AEC 08557

9-88

OHIO DEPARTMENT OF NATURAL RESOURCES
DIVISION OF RECLAMATION

ATTACHMENT 20
(SEDIMENTATION POND/IMPOUNDMENT DATA SHEET)

Applicant's Name AMERICAN ENERGY CORPORATION Pond # AS-BUILT 1-S

Type of impoundment EXCAVATED Permanent _____, Temporary X

1. POND DRAINAGE AREA DATA:

a) Drainage area 6.9 acres
b) Disturbed area 6.9 acres
c) Ave. land slope 20 %
d) Hydrologic soil group C
e) Hydraulic length 100 ft.
f) Cover/condition of the undisturbed area N/A

2. DESIGN STORM CRITERIA:

a) Method:

1) Design method (s) including computer programs: SEDCAD 4.0

2) SCS curve number 86

b) Rainfall Amount/Peak Flow	Rainfall, in.	Peak flow, cfs.
1) 10 year, 24 hour =	3.7	16
2) 25 year, 24 hour =	4.3	19
3) 50 year, 6 hour = (if permanent)		
4) 100 year, 6 hour = (if 20/20 size)		

3. POND SIZE:

a) Dimensions: N/A

1) Dam height 3 ft.
2) Dam width 10 ft.(MIN)
3) Dam length 900 ft.
4) Dam downstream slope 25 % (MAX)
5) Dam upstream slope 30 % (MAX)
6) Core length 870 ft. 10 ft. 4 ft.

b) Sediment storage volume 15.12 ac. ft. is provided below the 855.5 foot elevation.

c) Stage/Area Data:	Elevation ft.	Surface Area ac.	Volume ac. ft.
1) Bottom of pond	845.0	0.05	0
2) Streambed at upstream toe:	N/A	N/A	N/A
3) Principal spillway inlet:	N/A	N/A	N/A
4) Exit Channel Crest:	855.5	2.54	15.12
5) Top of embankment:	857.0	2.89	19.16

4. PRINCIPAL SPILLWAY: N/A
   a) Pipe length _____ ft.
   b) Pipe diameter _____ in.
   c) Pipe slope _____ %
   d) Riser diameter _____ in.
   e) Riser height _____ ft.
   f) Type of pipe _____
   g) Number of anti-seep collars _____; spacing along pipe _____ ft.
   h) Does the design include a trash rack? _____ Yes, _____ No.
   i) Does the design include an anti-vortex device? _____ Yes, _____ No.

5. EMERGENCY SPILLWAY/EXIT CHANNEL:

   a) Base width 12 ft.
   b) Design flow depth 0.2 ft. Depth in level section 0.4 ft.
   c) Exit slope 2.0 %
   d) Exit velocity 0.7 fps
   e) Channel lining GRASS MIXTURE
   f) Side slopes 2:1
   g) Freeboard 1.1 ft.
   h) Entrance slope 17 %
   i) Length of level section 10 ft.

6. The minimum static factor of safety for this impoundment is 1.5

7. Provide as an addendum to this attachment a detailed plan view or 2 cross sections of the impoundment.

8. Comments: THIS POND ALSO SERVES AS A FRESHWATER MAKE-UP POND.

9. Is this an MSHA structure? _____Yes, X No. If "yes," provide the MSHA ID. number if one has been assigned _____.

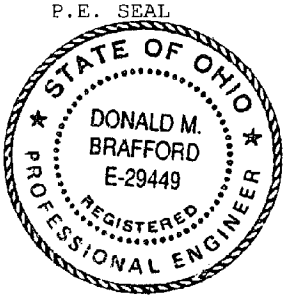
10. If this is to be retained as a permanent impoundment, submit an addendum to this attachment demonstrating compliance with rule 1501:13-9-04(H) (2) of the Administrative Code.

11. I hereby certify that this impoundment is designed to comply with the applicable requirements of rule 1501:13-9-04 of the Administrative Code using current, prudent engineering practices.

Donald M Brafford
Signature

8-12-02
Date

P.E. SEAL



April 1989

OHIO DEPARTMENT OF NATURAL RESOURCES
DIVISION OF RECLAMATION

CERTIFICATION 2

CERTIFICATION OF IMPOUNDMENT CONSTRUCTION

Permitee's Name AMERICAN ENERGY CORPORATION Permit D-0425

Complete both certification statements listed below.

A. I, the undersigned, a surveyor or engineer registered in the State of Ohio, hereby certify that the measurements of the constructed impoundment described below conform to the measurements contained in the ~~approved~~ ~~original~~/"as built"* (specify one) design plan.

SEAL

Signature P.E Title (engineer/surveyor) 8-12-02 Date

B. I, the undersigned, an engineer registered in the State of Ohio, hereby certify that the impoundment described below has been constructed per the ~~approved~~ ~~original~~/"as built"*(specify one) design specifications and criteria and that:

1. the embankment foundation area was cleared of all organic matter and the entire foundation surface scarified;

2. the fill material was free of sod, large roots, other large vegetative matter, frozen soil, and coal processing waste; and

the fill was brought up in horizontal layers of such thickness as required to facilitate compaction in accordance with prudent construction standards.

ENGINEER'S SEAL

Signature Date 8-12-02

NOTE: If "as built," then "as built" plan must be attached to this certification.

Impoundment no. 2-S Type of Impoundment FRESHWATER

AEC 08560

9-88

OHIO DEPARTMENT OF NATURAL RESOURCES
DIVISION OF RECLAMATION

ATTACHMENT 20
(SEDIMENTATION POND/IMPOUNDMENT DATA SHEET)

Applicant's Name AMERICAN ENERGY CORPORATION Pond # AS-BUILT 2-S

Type of impoundment FRESHWATER * Permanent _____, Temporary X

1. POND DRAINAGE AREA DATA:

   a) Drainage area 1.8 acres
   b) Disturbed area 1.8 acres
   c) Ave. land slope 20 %
   d) Hydrologic soil group C
   e) Hydraulic length 300 ft.
   f) Cover/condition of the undisturbed area N/A

2. DESIGN STORM CRITERIA:

   a) Method:

      1) Design method (s) including computer programs: SEDCAD 4.0

      2) SCS curve number 86

   b) Rainfall Amount/Peak Flow

	Rainfall, in.	Peak flow, cfs.
1) 10 year, 24 hour =		
2) 25 year, 6 hour =	3.3	5
3) 50 year, 6 hour = (if permanent)		
4) 100 year, 6 hour = (if 20/20 size)		

3. POND SIZE:

   a) Dimensions: N/A

   1) Dam height 8.5 ft.
   2) Dam width 6 ft. (MIN)
   3) Dam length 160 ft.
   4) Dam downstream slope 43 % (MAX)
   5) Dam upstream slope 39 % (MAX)
   6) Core length 160 ft. 10 ft. 4 ft.

   b) Sediment storage volume 0.84 ac. ft. is provided below the 972.2 foot elevation.

   c) Stage/Area Data:

	Elevation ft.	Surface Area ac.	Volume ac. ft.
1) Bottom of pond	865.0	0.07	0
2) Streambed at upstream toe:	N/A	N/A	N/A
3) Principal spillway inlet:	872.2	0.18	0.84
4) Exit Channel Crest:	N/A	N/A	N/A
5) Top of embankment:	873.5	0.22	1.10

4. PRINCIPAL SPILLWAY:
   a) Pipe length 177 ft.
   b) Pipe diameter 20 in.
   c) Pipe slope 8.9 %
   d) Riser diameter N/A in.
   e) Riser height N/A ft.
   f) Type of pipe PLASTIC
   g) Number of anti-seep collars _____; spacing along pipe _____ ft.
   h) Does the design include a trash rack? _____ Yes, X No.
   i) Does the design include an anti-vortex device? _____ Yes, X No.

5. EMERGENCY SPILLWAY/EXIT CHANNEL: N/A

   a) Base width _____ ft.
   b) Design flow depth _____ ft. Depth in level section ft.
   c) Exit slope _____ %
   d) Exit velocity _____ fps
   e) Channel lining _____
   f) Side slopes _____
   g) Freeboard _____ ft.
   h) Entrance slope _____ %
   i) Length of level section _____ ft.

6. The minimum static factor of safety for this impoundment is 1.5

7. Provide as an addendum to this attachment a detailed plan view or 2 cross sections of the impoundment.

8. Comments: * THIS IMPOUNDMENT IS PART OF THE MAKE-UP WATER SYSTEM FOR THE WASH PLANT.

9. Is this an MSHA structure? _____Yes, X No. If "yes," provide the MSHA ID. number if one has been assigned _____.

10. If this is to be retained as a permanent impoundment, submit an addendum to this attachment demonstrating compliance with rule 1501:13-9-04(H) (2) of the Administrative Code.

11. I hereby certify that this impoundment is designed to comply with the applicable requirements of rule 1501:13-9-04 of the Administrative Code using current, prudent engineering practices.

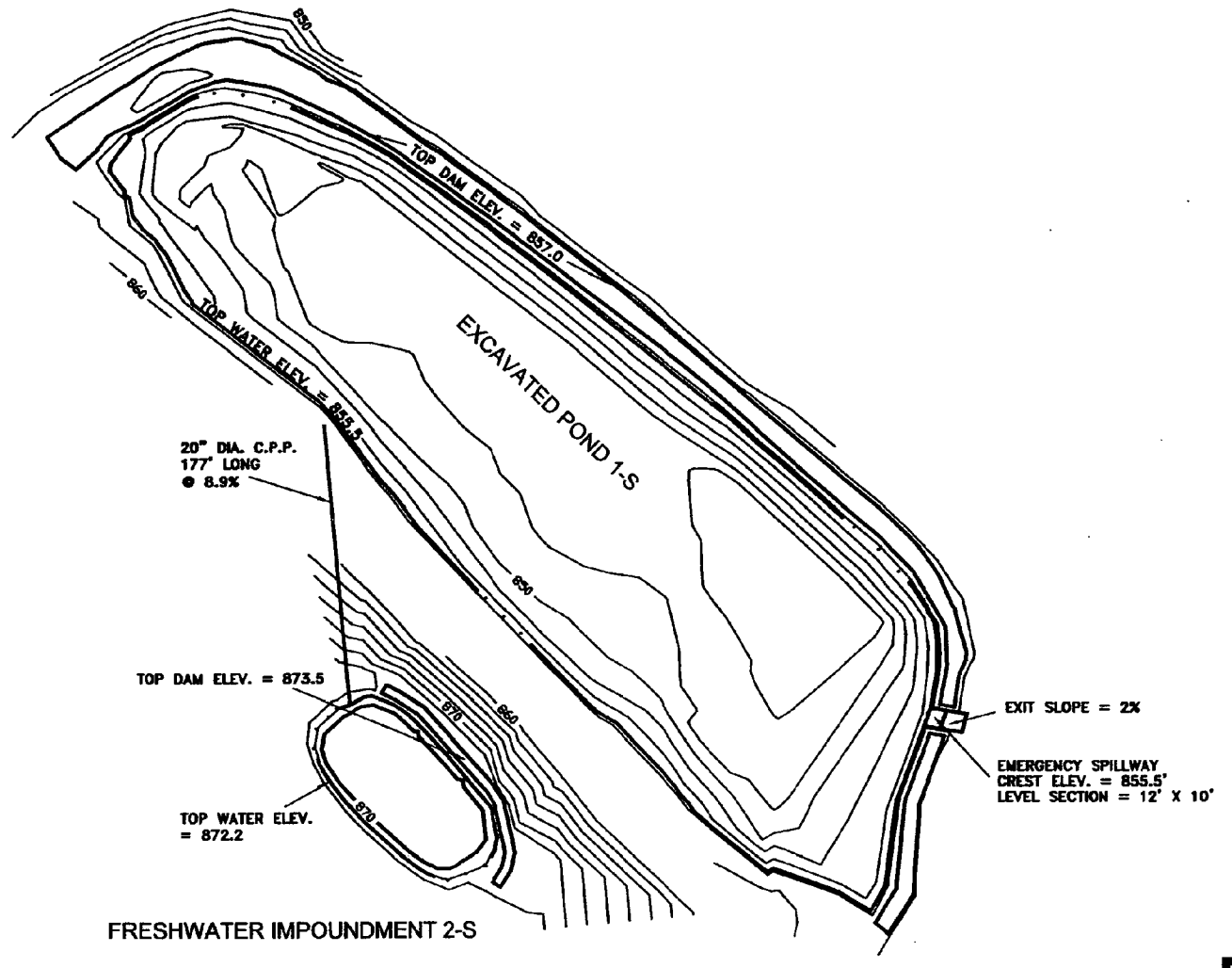
Donald M Brafford
Signature

8-12-07
Date

STATE OF OHIO SEAL DONALD M. BRAFFORD E-29449 REGISTERED PROFESSIONAL ENGINEER

AMERICAN ENERGY CORPORATION

AS-BUILT PONDS:
EXCAVATED POND 1-S
FRESHWATER IMPOUNDMENT 2-S



FRESHWATER IMPOUNDMENT 2-S

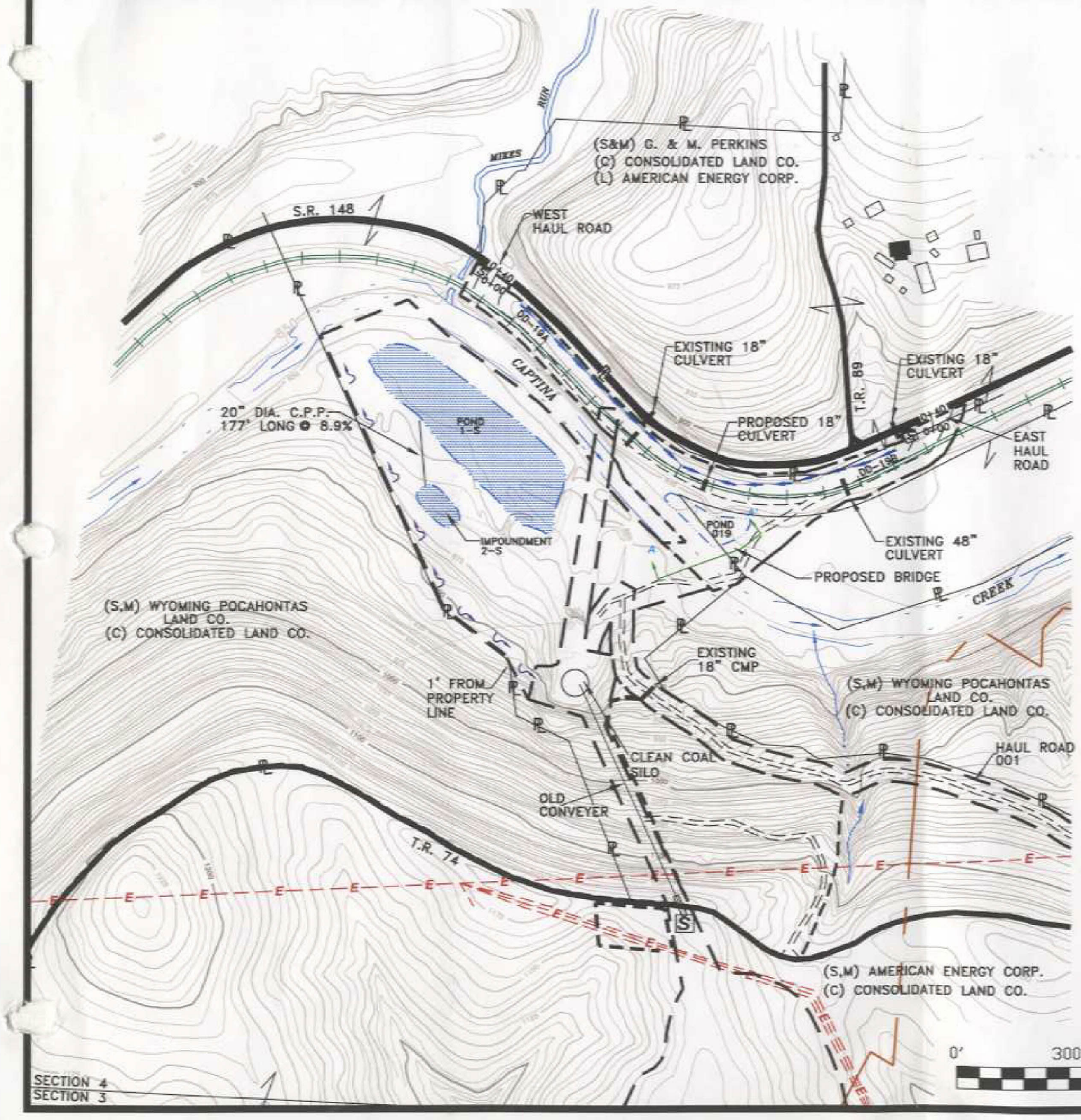
8-12-02

STATE OF OHIO
DONALD M BRAFFORD
E-20449
REGISTERED PROFESSIONAL ENGINEER

Addendum To Attachment 20, Item 7.		
AS-BUILT PONDS: POND 1-S & FRESHWATER IMPOUNDMENT 2-S		
Applicant: AMERICAN ENERGY CORPORATION D-0425		
Section: 4	Township: 6	Range: 5
Township: WAYNE		County: BELMONT
Contour Interval: 2'		Scale: 1" = 100'
Date: 08/06/02	Date Revised:	Comm #02-001S

Jack A. HAMILTON & Associates, Inc.
342 High St., Box 471
Flushing, Ohio 43977
Ph: (740) 968-4947
Fax: (740) 968-4225
e-mail: hamilton@1st.net
www.hamiltonandassoc.com

AEC 08563



N

APPLICATION TO REVISE PERMIT D-0425

AMERICAN ENERGY CORPORATION
43521 MAYHUGH HILL ROAD
BEALLSVILLE, OHIO 43716

PERMIT D-0425

AS-BUILT FRESHWATER IMPOUNDMENT 2-S AND AS-BUILT EXCAVATED POND 1-S

DIRECTION OF FLOW

SITUATED IN SECTION 4, T-6 R-5, WAYNE TOWNSHIP, BELMONT COUNTY, OHIO

LOCATED ON THE HUNTER USGS 7 1/2 MINUTE QUADRANGLE MAP.

SCALE: 1" = 300' CONTOUR INTERVAL: 5'

DATE PREPARED: AUGUST 05, 2002

I, THE UNDERSIGNED, HEREBY CERTIFY THAT TO THE BEST OF MY KNOWLEDGE AND BELIEF THIS MAP IS TRUE AND CORRECT.

Cathy M Billman
REGISTERED SURVEYOR

ACKNOWLEDGED BEFORE ME A NOTARY PUBLIC THIS 13th DAY OF Aug, 2002.

Ellen M. Greer
NOTARY PUBLIC

ELLEN M. GREER, Notary Public
State of Ohio
My Commission Expires September 23, 2006

DRAWING: C:\JOBS\625s\FRESHWATERIMP2-S.DWG DRAWN BY: CSL

AEC 08564

COAL MINING AND RECLAMATION PERMIT
APPLICATION TO REVISE A PERMIT (ARP)

Issued To: AMERICAN ENERGY CORP
43521 Mayhugh Hill Rd.
Beallsville, OH 43716

Telephone: (740) 926-9152

Permit Number: D-425
Application Number R-425-10

Effective: 05/20/2003
Expires: 10/21/2004

ARP Type:
Revise Subsidence Control Plan

The issuance of this ARP means only that the application to conduct a coal mining operation meets the requirements of Chapter 1513 of the Revised Code, and as such DOES NOT RELIEVE the operator of any obligation to meet other federal, state or local requirements.

This ARP is issued in accordance with and subject to the provisions, conditions, and limitations of Chapter 1513 of the Revised Code and Chapters 1501:13-1, 1501:13-3 through 1501:13-14 of the Administrative Code.

The approved water monitoring plan for this ARP is:

Quality: N/A
Quantity: N/A

Note: Any previous condition(s) imposed on this permit, or subsequent adjacent areas, also apply to this ARP unless noted otherwise.

Signature: _____ **Date:** 05/20/2003
Chief, Mineral Resources Management

OPERATOR

F100 Rev: 07/01/2001

AEC 08565

__X__ New Submittal
_____ Revised Submittal

OHIO DEPARTMENT OF NATURAL RESOURCES
DIVISION OF MINES AND RECLAMATION

APPLICATION TO REVISE A COAL MINING PERMIT

Note: Refer to the Division's "General Guideline for Processing ARPs" and "Requirements for Specific Types of Common ARPs" for guidance on submitting and processing ARPs.

1. Applicant's Name American Energy Corporation

   Address 43521 Mayhugh Hill Road

   City Beallsville State Ohio Zip 43716

   Telephone Number 740 - 926 - 9152

2. Permit Number D-0425

3. Section of mining and reclamation plan to be revised:

   Part 3, Page 30, K (5) (b-e) ; and maps

4. Describe in detail the proposed revision and submit any necessary drawings, plans, maps, etc.:

   This revision includes a plan to mine beyond the proposed zero subsidence areas as delineated on the D-0425-1 application and hydrology map. All structures above subsidence area are covered in D-0425-1, Attachment 31

5. Describe in detail the reason for requesting the revision:

   The length of the longwall panels has been extended beyond the limits delineated in the D-0425-1 application map. The zero subsidence line will be modified to subside structures not listed in the D-0425-1 application.

6. Will this revision constitute a significant alteration from the mining and reclamation operations contemplated in the original permit? __X__ Yes, _____ No.
   (**Note:** refer to paragraph (E) (2) of 1501:13-04-06 of the Ohio Administrative Code to determine if a revision is deemed significant.)

   If "yes", complete the following items 7 through 9.

OPERATOR

7. In the space below give the name and address of the newspaper in which the public notice is to be published.
   The Times Leader
   Legal Notice Department
   200 South 4th Street
   Martins Ferry, Ohio 43935

8. In the space below give the text of the public notice that is to be published. (Include the information required by paragraph (A)(1) of 1501:13-05-01 of the Ohio Administrative Code.)
   See Addendum to ARP, Item 8

9. In the space below give the name and address of the public office where this application is to be filed for public viewing.
   Belmont County Courthouse
   Recorder's Office
   Main Street
   St. Clairsville, Ohio 43950

I, the undersigned, a responsible official of the applicant, do hereby verify the information contained in this revision request is true and correct to the best of my information and belief.

Robert D. Moore — 9-18-02
Print Name — Date

Signature — President
Title

Sworn before me and subscribed in my presence this 18th day of September, 2002

NOTARIAL SEAL STATE OF OHIO

BARBARA L. RUSH
NOTARY PUBLIC, STATE OF OHIO
MY COMMISSION EXPIRES 9-01-04

Barbara L. Rush
Notary Public

FOR DIVISION USE ONLY

APPROVED

This request is hereby _____.

Michael L. Gonsalez
Chief, Division of Mines and Reclamation

Date 5/20/2003

Addendum to ARP, Item 8

Public Notice

American Energy Corporation, 43521 Mayhugh Hill Road, Beallsville, Ohio 43716, has submitted an application to revise a coal mining permit # R-0425-_ to the Ohio Department of Natural Resources, Division of Mineral Resource Management. The permit area is located in Belmont County, Wayne Township, Section 2, and Washington Township, Sections 31, 32. The portion of the permit area to be affected by this revision includes 38.6 acres and is located on the Woodsfield and Hunter 7 ½ minute USGS Quadrangle Maps approximately 1.7 miles north of the Village of Beallsville. This application proposes to mine beyond the proposed zero subsidence areas as delineated on the D-0425-1 permit area.

The application is on file for public viewing at the Belmont County Recorder's Office, Belmont County Courthouse, Main Street, St. Clairsville, Ohio 43950 and shall remain so for at least 30 days following the last date of publication of this notice. Written comments or requests for an informal conference may be filed with the Division of Mineral Resources Management, 1855 Fountain Square Court, Building H-3, Columbus, Ohio 43224, within 30 days after the last date of publication of this notice.

COAL MINING AND RECLAMATION PERMIT APPLICATION TO REVISE A PERMIT (ARP)

Issued To: AMERICAN ENERGY CORP
43521 Mayhugh Hill Rd.
Beallsville, OH 43716

Telephone: (740) 926-9152

ARP Type:
Add Sump

Permit Number: D-425
Application Number R-425-12

Effective: 06/06/2003
Expires: 10/21/2004

The issuance of this ARP means only that the application to conduct a coal mining operation meets the requirements of Chapter 1513 of the Revised Code, and as such DOES NOT RELIEVE the operator of any obligation to meet other federal, state or local requirements.

This ARP is issued in accordance with and subject to the provisions, conditions, and limitations of Chapter 1513 of the Revised Code and Chapters 1501:13-1, 1501:13-3 through 1501:13-14 of the Administrative Code.

The approved water monitoring plan for this ARP is:

Quality: N/A
Quantity: N/A

Note: Any previous condition(s) imposed on this permit, or subsequent adjacent areas, also apply to this ARP unless noted otherwise.

Signature: _____ **Date:** 06/06/2003
Chief, Mineral Resources Management

OPERATOR

F100 Rev: 07/01/2001

AEC 08569

2/96

X New Submittal
Revised Submittal R- 425-12

OHIO DEPARTMENT OF NATURAL RESOURCES
DIVISION OF MINERAL RESOURCES MANAGEMENT

APPLICATION TO REVISE A COAL MINING PERMIT

Note: Refer to the Division's "General Guidelines for Processing ARPs" and "Requirements for Specific Types of Common ARPs" for guidance on submitting and processing ARPs.

1. Applicant's Name AMERICAN ENERGY CORPORATION

   Address 43521 MAYHUGH HILL ROAD

   City BEALLSVILLE State OHIO Zip 43716

   Telephone No. 740 - 926 - 9152

2. Permit No. D-0425 .

3. Section of mining and reclamation plan to be revised:

   PART 3, PAGE 30, ITEM H.(4)

4. Describe in detail the proposed revision and submit any necessary drawings, plans, maps, etc.:

   THIS PROPOSED REVISION IS TO ADD A SUMP TO THE PLAN. SEE ATTACHED ADDENDUM.

5. Describe in detail the reason for requesting the revision:

   THE SUMP WILL BE UTILIZED ABOVE POND 018A TO PROVIDE BETTER TRAPPING EFFICIENCY BEFORE RUNOFF ENTERS POND 018A.

6. Will this revision constitute a significant alteration from the mining and reclamation operations contemplated in the original permit? ____ Yes, __X__ No.
   (Note: refer to paragraph (E) (2) of 1501 : 13-4-06 of the Ohio Administrative Code to determine if a revision is deemed significant.)

   If "yes", complete the following items 7 through 9.

OPERATOR

7. In the space below give the name and address of the newspaper in which the public notice is to be published.

N/A

8. In the space below give the text of the public notice that is to be published. (Include the information required by paragraph (A) (1) of 1501 : 13-05-01 of the Ohio Administrative Code.)

N/A

9. In the space below give the name and address of the public office where this application is to be filed for public viewing.

N/A

I, the undersigned, a responsible official of the applicant, do hereby verify the information contained in this revision request is true and correct to the best of my knowledge and belief.

Robert D. Moore
Print Name

4/22/03
Date

Signature

President
Title

Sworn before me and subscribed in my presence this 22nd day of April 2003.

BARBARA L. RUSH
NOTARY PUBLIC, STATE OF OHIO
MY COMMISSION EXPIRES 9-01-04

Notary Public

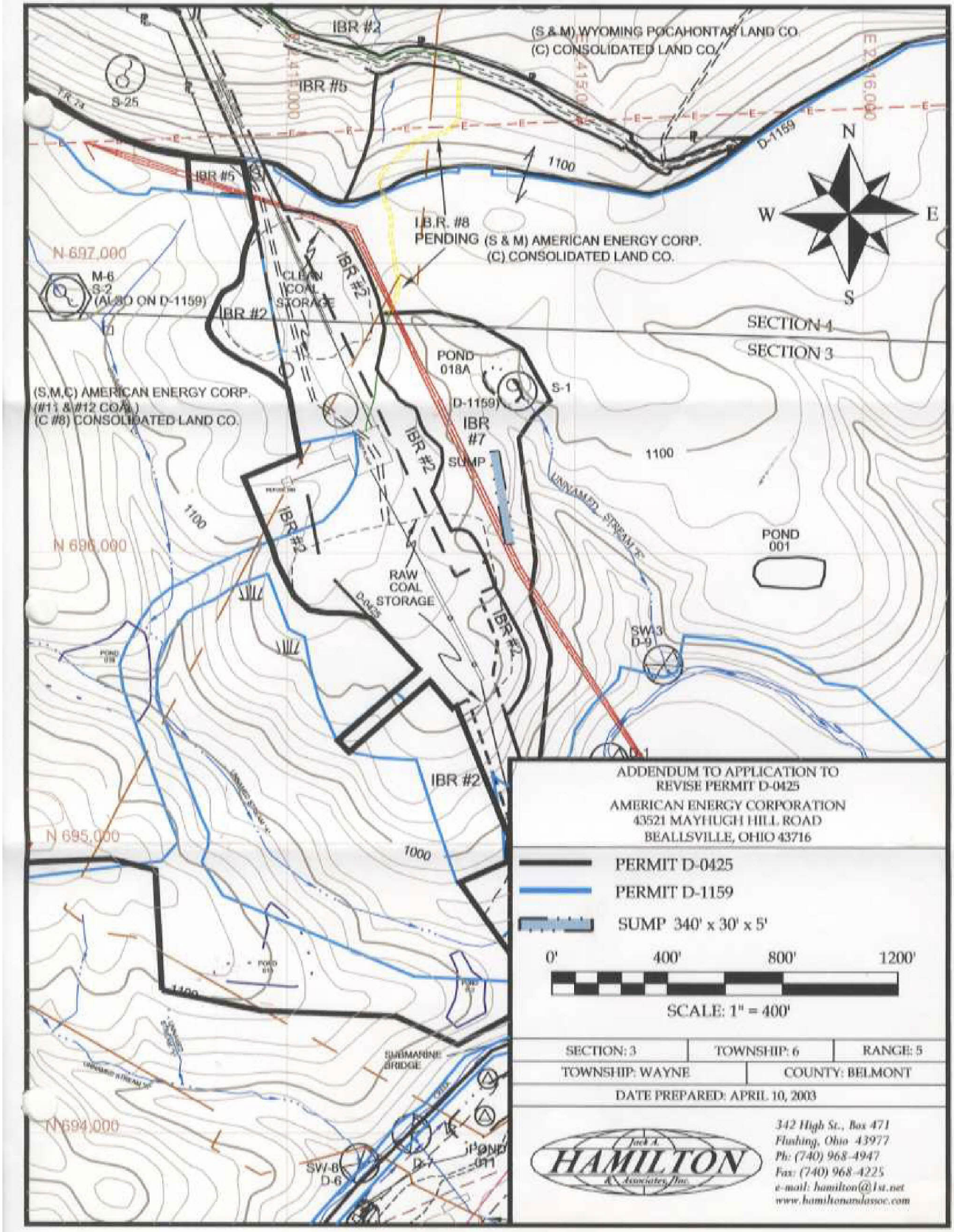
FOR DIVISION USE ONLY

APPROVED

This request is hereby

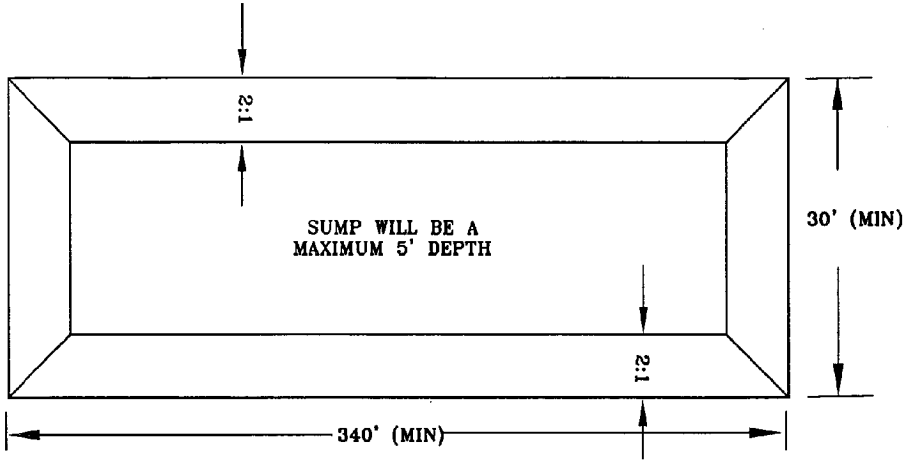
Chief, Division of Mineral Resources Management

6/6/2003
Date


IBR #2
(S & M) WYOMING POCAHONTAS LAND CO.
(C) CONSOLIDATED LAND CO.
IBR #5
S-25
TR 74
D-1159
1100
N
W
E
S
I.B.R. #8
PENDING
(S & M) AMERICAN ENERGY CORP.
(C) CONSOLIDATED LAND CO.
N 697,000
M-6
S-2
(ALSO ON D-1159)
CLEAN
COAL
STORAGE
SECTION 4
SECTION 3
POND
018A
S-1
(S,M,C) AMERICAN ENERGY CORP.
(#11 &#12 COAL)
(C #8) CONSOLIDATED LAND CO.
IBR
#7
SUMP
UNNAMED STREAM
POND
001
N 696,000
RAW
COAL
STORAGE
SW13
D-9
N 695,000
1000
SUBMARINE
BRIDGE
N 694,000
SW-8
D-8
D-7
POND
011
ADDENDUM TO APPLICATION TO
REVISE PERMIT D-0425
AMERICAN ENERGY CORPORATION
43521 MAYHUGH HILL ROAD
BEALLSVILLE, OHIO 43716
PERMIT D-0425
PERMIT D-1159
SUMP 340' x 30' x 5'
0'
400'
800'
1200'
SCALE: 1" = 400'
SECTION: 3
TOWNSHIP: 6
RANGE: 5
TOWNSHIP: WAYNE
COUNTY: BELMONT
DATE PREPARED: APRIL 10, 2003
Jack A. HAMILTON & Associates, Inc.
342 High St., Box 471
Flushing, Ohio 43977
Ph: (740) 968-4947
Fax: (740) 968-4225
e-mail: hamilton@1st.net
www.hamiltonandassoc.com

AEC 08572

SUMP



SUMP PLAN VIEW

(NOT TO SCALE)

STATE OF OHIO
DONALD M. BRAFFORD
E-29449
REGISTERED
PROFESSIONAL ENGINEER

Donald M Brafford

DONALD M. BRAFFORD, P.E.

4-11-03

ADDENDUM TO A.R.P., ITEM 4
AMERICAN ENERGY CORPORATION
PERMIT D-0425

AEC 08573

JACK A. HAMILTON & ASSOCIATES, INC.
Consulting Engineers & Surveyors
Box 471 342 High Street
FLUSHING, OHIO 43977

(740) 968-4947
FAX (740) 968-4225

LETTER OF TRANSMITTAL

DATE	JOB NO.
Nov. 17, 2001	625-S

ATTENTION: Ryan Desko

RE: D-0425-6 ARP

TO: American Energy Corp.
43521 Mayhugh Hill Road
Beallsville, OH 43716

WE ARE SENDING YOU ☒ Attached ☐ Under separate cover via US Mail the following items:

☐ Shop drawings ☐ Prints ☐ Plans ☐ Samples ☐ Specifications

☐ Copy of letter ☐ Change order ☒ See Below

COPIES	DATE	NO.	DESCRIPTION
		1	Copy of ARP D-0425-6 and map for your files

THESE ARE TRANSMITTED as checked below:

☐ For approval ☐ Approved as submitted ☐ Resubmit ______ copies for approval

☒ For your use ☐ Approved as noted ☐ Submit ______ copies for distribution

☐ As requested ☐ Returned for corrections ☐ Return ______ corrected prints

☐ For review and comment ☐ ______

☐ FOR BIDS DUE ______ ☐ PRINTS RETURNED AFTER LOAN TO US

REMARKS ______

COPY TO File

SIGNED: Ellen M. Greer

If enclosures are not as noted, kindly notify us at once.

AEC 08574

2/96

_____ New Submittal
__X__ Revised Submittal R- 0425-6

OHIO DEPARTMENT OF NATURAL RESOURCES
DIVISION OF MINES AND RECLAMATION

APPLICATION TO REVISE A COAL MINING PERMIT

Note: Refer to the Division's "General Guideline for Processing ARPs" and "Requirements for Specific Types of Common ARPs" for guidance on submitting and processing ARPs.

1. Applicant's Name Bennoc, Inc.
   Address P.O. Box 208, 38722 National Road

   City Morristown State Ohio Zip 43759

   Telephone Number 740 - 782 - 1330

2. Permit Number D-0425

3. Section of mining and reclamation plan to be revised:

   PART 3, PAGE 23, ITEM A(12)(c), ITEM A(12)(e), and
   PART 3, PAGE 23, ITEM A(14)(a)

4. Describe in detail the proposed revision and submit any necessary drawings, plans, maps, etc.:

   THIS REVISION INCLUDES CONSTRUCTION OF CONVEYOR SYSTEMS, HOIST HOUSE, RADIAL STACKER, CRUSHER HOUSE, RAW AND CLEAN COAL STORAGE PILES, PREPARATION PLANT, REFUSE BINS, OFFICE/BATHHOUSE, SEWAGE TREATMENT PLANT, AND WAREHOUSE. SEE ATTACHED MAP AND ADDENDUM.

5. Describe in detail the reason for requesting the revision:

   THIS REVISION IS BEING SUBMITTED TO SHOW THE PROPOSED PLACEMENT OF SURFACE FACILITIES WHICH WILL SERVE THE CENTURY UNDERGROUND MINE.

6. Will this revision constitute a significant alternation from the mining and reclamation operation contemplated in the original permit? _____ Yes, __X__ No.
   (**Note:** refer to paragraph (E) (2) of 1501:13-04-06 of the Ohio Administrative Code to determine if a revision is deemed significant.)

   If "yes," complete the following items 7 through 9.

7. In the space below give the name and address of the newspaper in which the public notice is to be published.

   N/A

8. In the space below give the text of the public notice that is to be published. (Include the information required by paragraph (A)(1) of 1501:13-05-01 of the Ohio Administrative Code.)

   N/A

9. In the space below give the name and address of the public office where this application is to be filed for public viewing.

   N/A

I, the undersigned, a responsible official of the applicant, do hereby verify the information contained in this revision request is true and correct to the best of my information and belief.

Larry Conway — 3-1-01
Print Name — Date

Larry Conway — President
Signature — Title

Sworn before me and subscribed in my presence this 1st day of March, 20 01

Ellen M. Roper
Notary Public

ELLEN M. LOPER, Notary Public
State of Ohio
My Commission Expires [illegible] 2001

FOR DIVISION USE ONLY

This request is hereby _____.

Chief, Division of Mines and Reclamation — Date

ADDENDUM TO A.R.P., ITEM 4.
BENNOC, INC., PERMIT D-0425

Page 23, Item A(12)(c)

Coal will be transported out of the mine by a conveyor belt to a raw coal stockpile via radial stacker. Coal may be loaded into trucks at this point and transported in a raw state to the consumer, and/or transported via conveyor to a stacker tube and raw coal piles. Coal will then be transported via conveyor to a crusher house, then, via conveyor to the preparation plant, then, via conveyor to the clean coal storage piles. Coal will be transported from the clean coal storage piles via conveyor to the clean coal silo, and from the clean coal silo via conveyor to the train loadout facility. Refuse from the preparation plant will be transported via conveyor to the refuse bins. Refuse bins will be emptied into trucks and hauled to Permit D-0360 which has an approved refuse disposal site. A coal preparation plant approximately 110' x 80' will be constructed on the hilltop area in the northern portion of the permit area, south of Twp. Rd. 74. The coal cleaning process will utilize a belt press system, therefore, there will be no slurry generation, only filter cake. Six beltline conveyors will be installed at this site. These conveyors will be covered, and/or totally enclosed where they pass over streams to prevent fugitive dust and coal spillage in the streams. A crusher house, approximately 30' x 65' will be constructed just south of the preparation plant. A radial stacker will be constructed just northeast of the slope entry, and utilized to stockpile raw coal from the mine. A hoist house, approximately 50' x 50' will be constructed southeast of Pond 001. Two refuse bins approximately 30' x 30' will be constructed southwest of the preparation plant to handle the early refuse from the prep plant. A train loadout, approximately 40' x 50', will be constructed north of the clean coal silo. All of these facilities will be constructed to comply with all applicable state and federal regulations. All facilities will be inspected and maintained throughout the life of the coal removal at the CENTURY MINE. Each of these structures will be removed from the site within two years following the removal of all coal reserves from the Century Mine.

Coal stockpiles will be placed on a non-toxic, non-combustible impermeable 1 foot thick base, constructed of the 26' thick gray shale shown in TH #1, and the 16' thick gray shale in TH #4, from the Bennoc, Inc. Permit D-1159 area, at the locations shown on the attached map. The stockpiles will be protected from erosion and contact with surface water. The coal stockpiles will be visually inspected and maintained as necessary to correct any problems that may occur. Drainage from the coal stockpile areas will flow to Pond 008 A, B, and C , through a series of diversion ditches numbered DD–W1 through DD-W5, and DD-E1 through DD-E5. (See attached I.B.R. for Diversion Ditch Design Computation Sheet) At the completion of mining, the coal stockpile areas will be reclaimed and revegetated.

All surface facilities shall be designed, constructed, and maintained, and restored, to prevent damage to fish, wildlife, and related environmental values. The conveyor from the clean coal silo to the train loadout will be totally enclosed. Any spillage from the conveyor belt will be contained within the belt enclosure. Loading at the proposed train loadout will be conducted in careful workmanlike manner to avoid any spillage of coal into Captina Creek. An earthen and/or concrete berm can be placed at the toe of the slope below the loadout to catch any spillage of coal that may occur. Additional contributions of suspended solids to stream flow or runoff outside the permitted area will be avoided by directing all drainage to sediment control ponds. No water discharged from the permit area will exceed effluent limitations thereby controlling and minimizing degradation of water quality or quantity. Sediment control structures will control and minimize erosion and siltation thereby preventing damage to public or private property.

Page 23, Item A(12)(e):

An office/bathhouse, approximately 145' x 130', will be constructed on the old existing office concrete pad, just north of the Twp. Rd. 88 entrance into the facility. A warehouse, approximately 140' x 40', will be constructed on the old existing supply house concrete pad, just northeast of the proposed office/bathhouse. A sewage treatment plant, approximately 95' x 45', will be constructed due north of the proposed office/bathhouse. A permit to install for the sewage treatment plant has been submitted to the Ohio EPA, Southeast District Office for review and approval. Approval is pending. All of these facilities will be constructed to comply with all applicable state and federal regulations. All facilities will be inspected and maintained throughout the life of the coal removal at the CENTURY MINE. Each of these structures will be removed from the site within two years following the removal of all coal reserves from the Century Mine.

Page 23, Item A(14)(a):

Yes. Initially, all coal mine waste will be transported by truck to Permit D-0360 which has an approved refuse disposal site. See Attachment 12 analysis of the coal refuse from the D-0360 refuse disposal site (attached) which is representative of the refuse which will be generated at the Century mine. The D-0360 refuse is generated from the same coal seam (Pittsburgh #8) proposed to be mined at the Century mine, and the D-0360 waste disposal site is located approximately 2 miles northeast of the Century mine site. The D-0360 refuse disposal site has a design capacity of 19,602,000 tons and a life of 9.5 to 11.4 years, depending on actual densities ranging from 100 to 120 pounds per cubic foot. A coal refuse disposal plan is currently being developed for the Century mine site, therefore, refuse from the proposed preparation plant will be transported to D-0360 for a maximum period of 3 years or less, or until the Century Mine refuse disposal plan is completed, submitted and approved.

ADDENDUM TO PART 3, PAGE 23, ITEM A(14)(a)
BENNOC, INC.

THE OHIO VALLEY COAL COMPANY

John R. Forrelli
President and General Manager

February 28, 2001

Mr. Michael L. Sponsler
Chief
Ohio Department of Natural Resources
Division of Mineral Resources Management
1855 Fountain Square Court
Columbus, OH 43224-1360

Dear Mr. Sponsler:

As the manager of The Ohio Valley Coal Company's Ohio Department of Natural Resources ("ODNR") Permit D-0360, I hereby state that the existing approved coal waste disposal site contained within Permit D-0360 can accommodate the waste generated during mine development, routine cleaning of coal stockpiles and conveyor belt areas, and waste from the proposed preparation plant on Bennoc, Inc.'s D-0425 reactivated permit area.

D-0360 Waste Area Information

Available capacity = 13.2 million cubic yards which provides a 9 year life based on 1.5 million cubic yards of waste being deposited yearly.

Permit D-0425 will deposit approximately 4.0 million cubic yards in a three year period while it's waste disposal permit is being developed, submitted and approved. This will reduce the life of the waste area at Permit D-0360 to 6 years.

Sincerely,

The Ohio Valley Coal Company

John R. Forrelli
President and General Manager

56854 PLEASANT RIDGE ROAD • ALLEDONIA, OHIO 43902
(740) 926-1351 • FAX (740) 926-1615

04/94

OHIO DEPARTMENT OF NATURAL RESOURCES
DIVISION OF RECLAMATION

ATTACHMENT 12
(DRILLING REPORT - SURFACE MINE)

Applicant's Name BENNOC, INC.

(Check one: ___X___ core drilled _____ rotary air, _____ other (describe)_____)

Typical Coarse Coal Refuse

Test Hole # _____

State Plane Coordinates X _____

Y _____

Lithologic Unit (1)	* Thickness Feet	pH	CaCo3 Deficiency (1000 Tons)	Neutralization Potential (1000 Tons)	Potential Acidity	Total Sulfur %	Physical Properties (2)			
Topsoil										
Subsoil							Compactible	Erodible	Color	Grain Size
Roof Rock	266.20-276.20	9.38	-314	355	40.6	1.30				
Floor Rock	358.70-368.70	9.23	-167	269	102	3.26				
Roof Rock	339.10-349.10	9.26	-179	241	61.9	1.96				
Floor Rock	284.30-294.30	9.37	21.0	44.9	65.9	2.11				
Roof Rock	236.30-246.30	9.34	-160	204	44.1	1.41				
Floor Rock	353.00-363.00	9.39	-75.8	167	91.2	2.92				
Roof Rock	332.40-342.40	9.34	-173	210	36.6	1.17				
Floor Rock	308.70-318.70	9.38	-282	319	37.1	1.19				
Floor Rock	251.30-261.30	8.96	-44.8	107	62.2	1.99				
Floor Rock	328.60-338.60	9.03	-54.0	178	124	3.96				
Floor Rock	328.10-338.10	9.18	-140	199	59.0	1.89				
Roof Rock	311.40-321.40	9.37	-256	296	40.0	1.28				
Floor Rock Gregg	299-309	9.27	-119	214	95.0	3.04				
Roof Rock Gregg	281.10-291.10	9.48	-247	286	38.7	1.24				

_____ Total Thickness _____ Surface elevation of test hole

Coal Seam Information

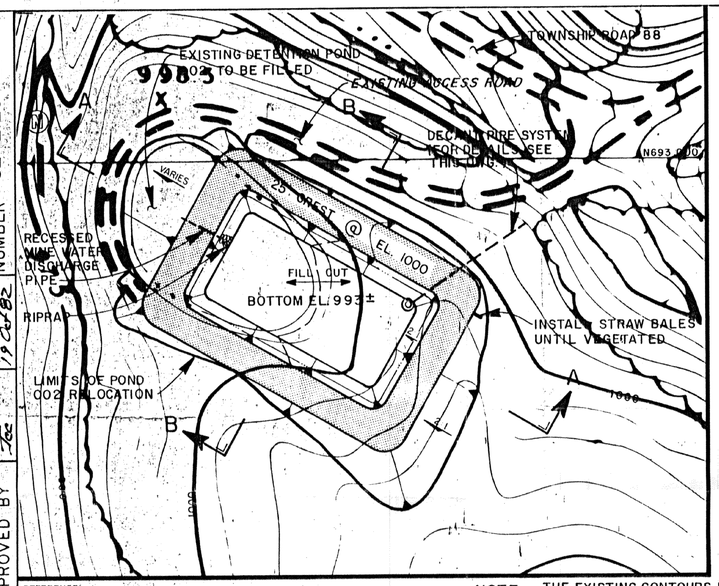
NAME	NUMBER	TOTAL SULFUR %	PYRITE/MARCASITE SULFUR %

(1) If subsurface water was encountered, identify the stratum in which it was encountered by an asterisk (*).
(2) Describe any observable physical properties of such stratum (e.g. color, grain size, compactiblity, erodiblity, etc.)

* The thickness column refers to depth ranges. Roof rock consists of the immediate ten feet above the roof coal. Floor rock is the immediate ten feet below the Pittsburgh No. 8 coalbed. The "Gregg" appearing after the last two entries has no significance. Note: There is no acid base accounting for the #8 coal recorded on this Attachment 12.

AEC 08580

DRAWN BY	CHECKED BY	DRAWING NUMBER
DJD / 10-14-82	JEW / 10-19-82	82-2120-E1
	APPROVED BY	

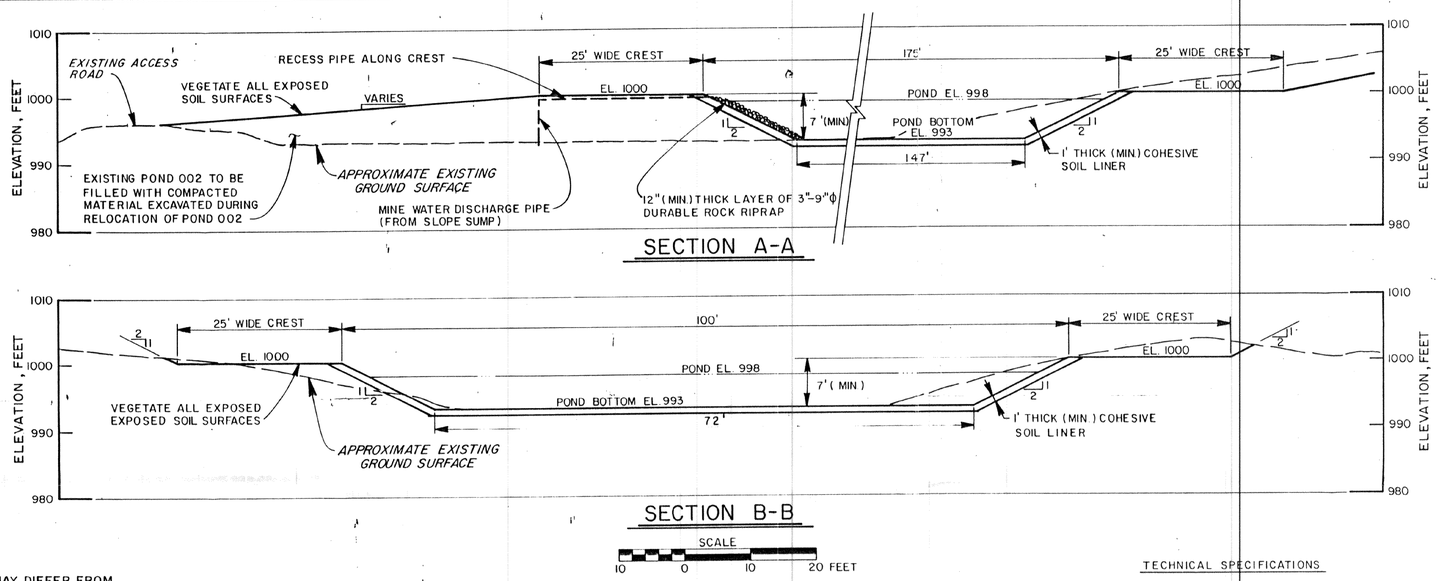


REFERENCE:
TOPOGRAPHIC MAP PREPARED BY AERIAL MAP SERVICE CO. PITTSBURGH, PA., MAY 2, 1982, SCALE 1"=200'

PLAN

SCALE
50 0 50 100 FEET

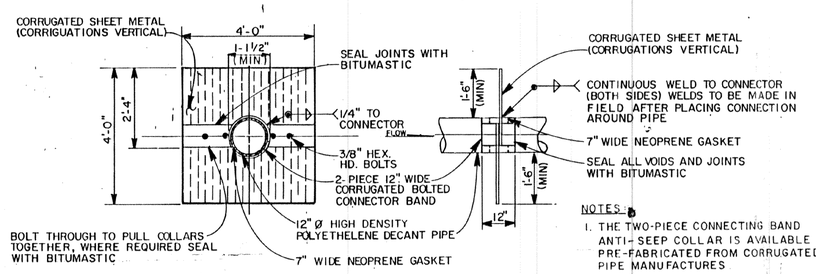
NOTE: THE EXISTING CONTOURS MAY DIFFER FROM THE PLAN AND CROSS SECTION CONTOURS PRESENTED. THE ACTUAL CONFIGURATIONS AND ELEVATION OF THE POND CREST AND BOTTOM WILL BE VERIFIED IN THE FIELD PRIOR TO CONSTRUCTION.



SECTION A-A

SECTION B-B

SCALE
10 0 10 20 FEET

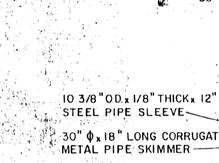


ELEVATION SECTION

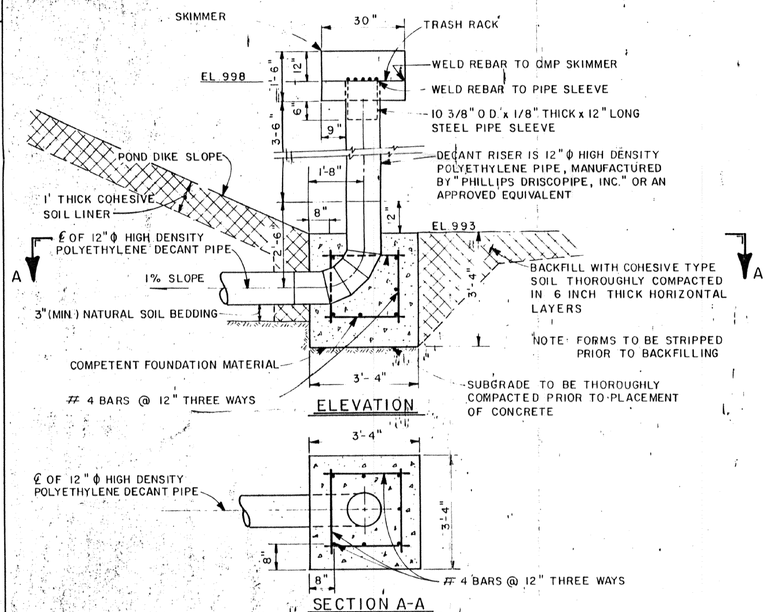
NOTES:
1. THE TWO-PIECE CONNECTING BAND ANTI-SEEP COLLAR IS AVAILABLE PRE-FABRICATED FROM CORRUGATED PIPE MANUFACTURES
2 THE ANTI-SEEP COLLAR IS TO BE LOCATED BETWEEN 10' AND 20' FROM THE ℄ OF THE THRUST BLOCK

ANTI-SEEP COLLAR DETAIL

SCALE: 1/2"= 1'-0"



PLAN



ELEVATION

SECTION A-A

DECANT PIPE DETAIL

SCALE 1"= 2'

TECHNICAL SPECIFICATIONS

1. EVACUATE WATER FROM POND 002 BY CONTROLLED PUMPING INTO THE COLLECTION DITCH ALONG TOWNSHIP ROAD 81 WHILE MAINTAINING PROPER SEDIMENTATION CONTROL PRIOR TO DISCHARGE.
2. STRIP AND REMOVE ALL VEGETATION FROM AREAS TO BE EXCAVATED OR FILLED.
3. ALL TOPSOIL ENCOUNTERED SHALL BE REMOVED AND STOCKPILED FOR LATER USE AS THE FINAL SURFACE COVERING PRIOR TO SEEDING.
4. COLLECTED SEDIMENT IN EXISTING POND 002 SHALL BE MOVED AND PLACED IN A ZONE LOCATED IN THE NORTHWEST REGION OF THE EXISTING POND 002 BOTTOM. THE SEDIMENT SHALL BE COVERED BY COMPACTED FILL MATERIAL IN DEVELOPING THE NEW POND.
5. IF SOFT MATERIALS ARE ENCOUNTERED AT THE LIMIT OF CUT, THE SOFT MATERIAL SHALL BE EXCAVATED AND PLACED IN THE COLLECTED SEDIMENT ZONE AS DESCRIBED IN ITEM NO. 4. COMPACTED FILL SHALL BE PLACED TO BRING THE SURFACE TO GRADE.
6. MATERIAL EXCAVATED FROM THE POND 002 RELOCATION SHALL BE USED AS FILL MATERIAL AND COMPACTED BY ROUTING APPROVED COMPACTION EQUIPMENT OVER EACH LIFT A MINIMUM OF FOUR PASSES.
7. PLACE A 12-INCH-THICK (MINIMUM) WELL-COMPACTED COHESIVE LINER ON THE SIDES AND BOTTOM OF THE RELOCATED POND 002.
8. PLACE A 12-INCH-THICK (MINIMUM) LAYER OF 3- TO 9-INCH-DIAMETER DURABLE ROCK RIPRAP ON THE INTERIOR SIDE SLOPE OF POND 002 AT THE DISCHARGE LOCATION OF THE MINE WATER DISCHARGE PIPE.
9. INSTALL A 12-INCH-DIAMETER, HIGH-DENSITY, POLYETHYLENE PLASTIC DECANT AND RISER PIPE AND CONCRETE THRUST BLOCK (FOR DETAILS, SEE THIS DRAWING).
10. COVER ALL EXPOSED SURFACES WITH TOPSOIL AND SEED, FERTILIZE, AND MULCH TO ESTABLISH A VEGETATIVE COVER.
11. INSTALL EROSION AND SEDIMENT CONTROL MEASURES AS REQUIRED TO REDUCE SEDIMENT TRANSPORT FROM THE SITE.

REVISION
⚠ REMOVED DIVERSION DITCHES D-1 and D-2 2/1/84

DRAWING NO.	SHEET NO.	FIGURE NO.
82-2120-E1		

MINE WATER POND No. 002

MINE WATER DETENTION POND RELOCATION
ALLISON MINE
BEALLSVILLE, BELMONT COUNTY, OHIO
PREPARED FOR

YOUGHIOGHENY AND OHIO COAL COMPANY
ST. CLAIRSVILLE, OHIO

D'APPOLONIA

OPERATOR R-0425-5

AEC 08581

DRAWN BY	CHECKED BY	DRAWING NUMBER
dam 3/29/82	APPROVED BY	81-250-E21
3E		

REFUSE EMBANKMENT CREST
(SEE DWG. 81-250-E5, FOR DETAILED PLAN)

20' WIDE BENCH

COLLECTOR DITCH (TYP.)
(SEE DETAIL ON DWG. 81-250-E3)

CD-A

CD-B

EMBANKMENT FACE SWALE
(DETAIL ON DWG. 81-250-E23,
SUPERCEDES DETAIL ON DWG.
81-250-E6)

ROCK UNDERDRAIN

CONTRACTOR TO PROVIDE
SEDIMENT CONTROL STRUCTURES
(ROCK CHECK DAMS OR STRAW
BALES) IN DITCH

12' WIDE DIVERSION DITCH D-6
(SEE DWG. 81-250-E5, FOR
DETAILED PLANS)

15' WIDE TEMPORARY DIVERSION DITCH
(FOR CROSS-SECTIONS, SEE DWG. No.
81-250-E23)

Δ = 74°21'43"
RAD = 126.11'
CL = 163.68'
TAN = 95.66'
CH = 152.43'

N 694,629.77
E 2,414,581.79

STA 4+10 INV. EL. 995.0 ±
PC STA 0+00

PT STA 1+63.68

STA 2+50 INV. EL. 958.2

STA 3+60 INV. EL. 950.0

STA 2+84 INV. EL. 953.0

STA 2+24 INV. EL. 953.0

STA 1+58 INV. EL. 972.0

STA 1+30 INV. EL. 986.0

INV. EL. 965.7

7%
15%
22%
6%
50%
10%
3%

POND No. 008 A

SEDIMENTATION POND
EMERGENCY SPILLWAY GROUTED
(SEE DETAIL, DWG. No. 81-250-E3)

15' CREST EL. 935

BOTTOM EL. 928

EL. 936

3%

B (DWG. No. 81-250-E22)

OVERFLOW PIPE AND
SPILLWAY GROUTED
(SEE DETAIL, DWG. 81-250-E23)

C (DWG. No. 81-250-E22)

END STA 4+28.18
INV. EL. 933.0

STA 4+00
INV. EL. 952.0

POND No. 008 B

OVERFLOW PIPE AND
SPILLWAY GROUTED
(SEE DETAIL, DWG. 81-250-E23)

30' WIDE ACCESS ROAD
TO BE GRAVEL COVERED

D (DWG. No. 81-250-E22)

BOTTOM EL. 927

10' CREST EL. 944

POND No. 008C

CHANNEL WIDTH 30' @ EL. 932
WITH 1:1 SIDE SLOPES

42'

A (DWG. No. 81-250-E22)

SEDIMENTATION POND
DISCHARGE SPILLWAY GROUTED

REGRADE SITE ACCESS ROAD

FLOW

PINEY CREEK

N 695,000

N 694,500

E 2,414,000

E 2,414,500

E 2,415,000

SCALE
50 0 50 100 FEET

REFERENCE
TOPOGRAPHIC MAP PREPARED BY PHOTOGRAMETRIC SERVICES, INC., REYNOLDSBURG, OHIO, SHEET 6, DATED APRIL 15, 1981, SCALE: 1" = 50'

DRAWING NO.	SHEET NO.	FIGURE NO.
81-250-E21	1 of 4	

SEDIMENTATION POND No. 008

COAL REFUSE DISPOSAL FACILITY
ALLISON MINE
BEALLSVILLE, BELMONT COUNTY, OHIO

PREPARED FOR

YOUGHIOGHENY AND OHIO COAL COMPANY
ST. CLAIRSVILLE, OHIO

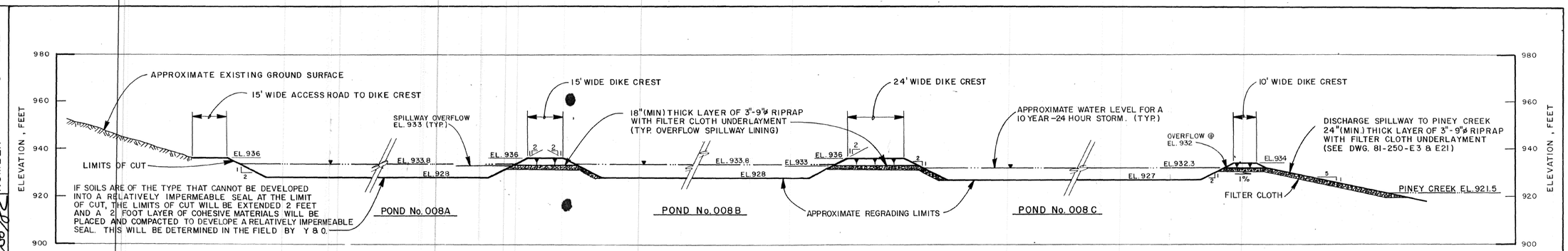
R-0425-5 OPERATOR

D'APPOLONIA

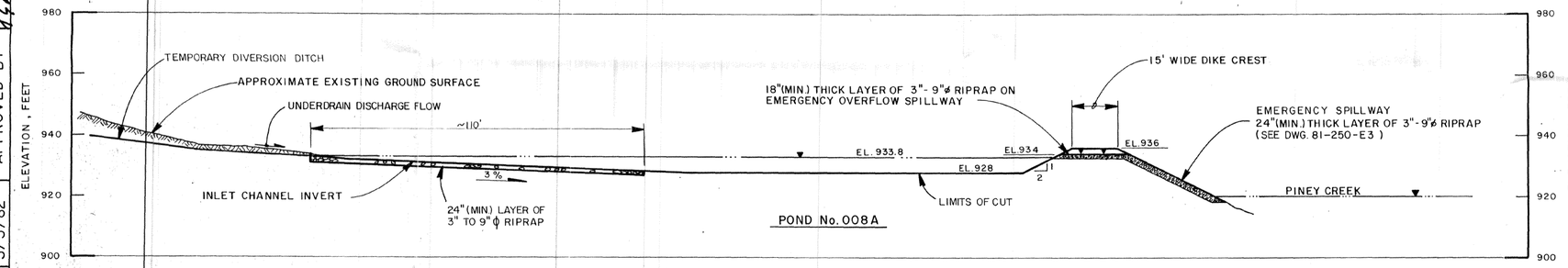
AS BUILT 010-81030-D

AEC 08582

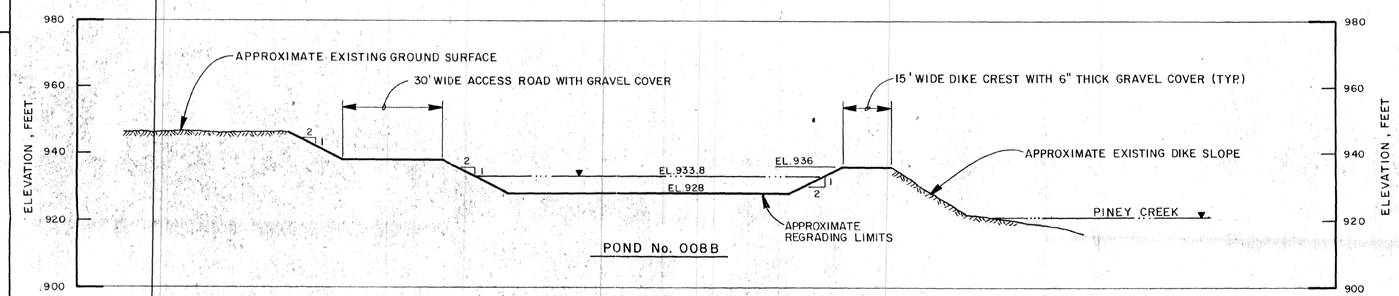
DRAWN BY	CHECKED BY	DRAWING NUMBER
dam 3/5/82	APPROVED BY	81-250-E22



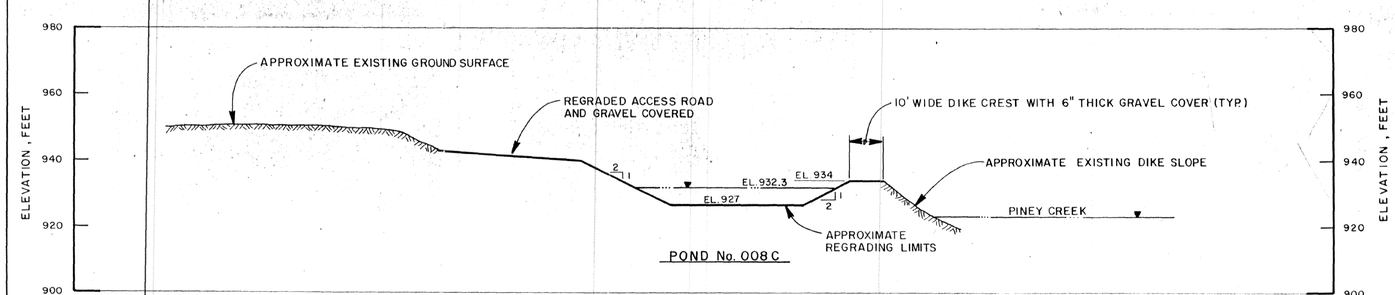
SECTION A-A



SECTION B-B



SECTION C-C



SECTION D-D

SCALE
20 0 20 40 FEET

NOTES
1. ALL ELEVATIONS ARE FEET ABOVE MSL, USGS DATUM.
2. FOR PLAN AND LOCATION OF SECTION A-A THROUGH D-D, SEE DWG. 81-250-E21.

DRAWING NO.	SHEET NO.	FIGURE NO.
81-250-E22	2 of 4	

SEDIMENTATION POND No. 008
SECTIONS A-A, B-B, C-C AND D-D

COAL REFUSE DISPOSAL FACILITY
ALLISON MINE
BEALLSVILLE, BELMONT COUNTY, OHIO

PREPARED FOR

YOUGHIOGHENY AND OHIO COAL COMPANY
ST. CLAIRSVILLE, OHIO

R-0425-5

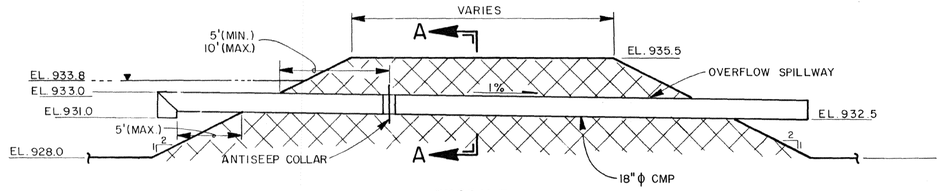
OPERATOR
D'APPOLONIA

OH-8103I-D

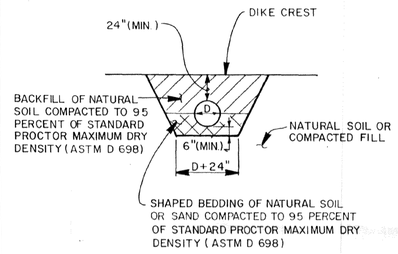
AEC 08583

DRAWN BY	RGN	3-29-82
CHECKED BY		
APPROVED BY		

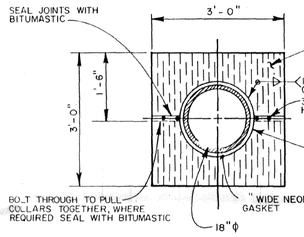
DRAWING NUMBER 81-250-E23



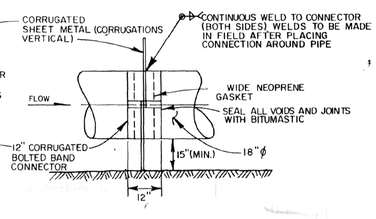
PROFILE



SECTION A-A



ELEVATION



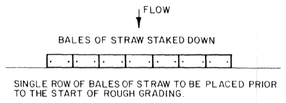
SECTION

ANTISEEP COLLAR

NOTE:
AFTER THE WELDING HAS BEEN COMPLETED, COAT CONNECTOR AND CORRUGATED SHEET METAL WITH ASPHALT.

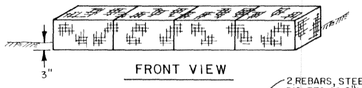
TYPICAL OVERFLOW PIPE INSTALLATION DETAIL

NOT TO SCALE

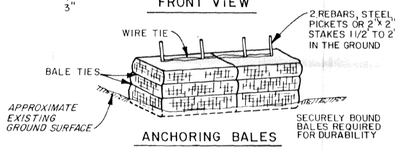


SINGLE ROW OF BALES OF STRAW TO BE PLACED PRIOR TO THE START OF ROUGH GRADING.

PLAN VIEW

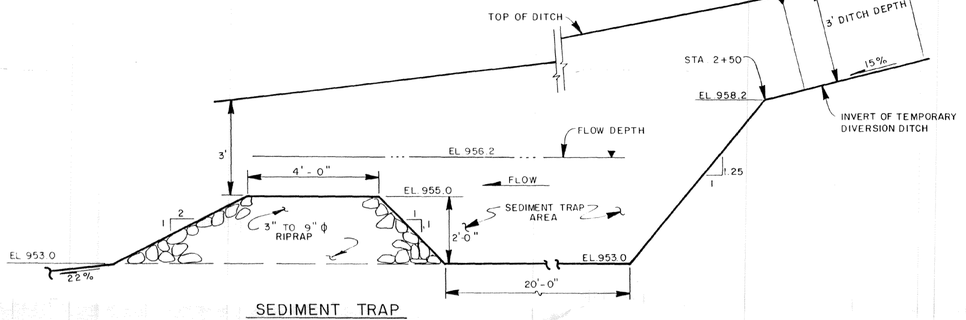


FRONT VIEW



ANCHORING BALES

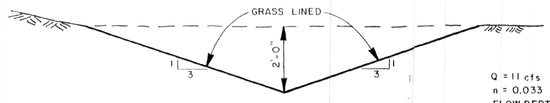
STRAW BALE BARRIER



SEDIMENT TRAP

SEDIMENT CONTROL DETAILS

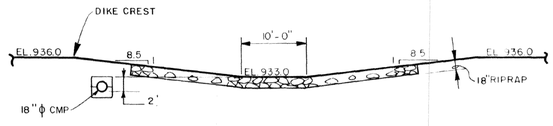
NOT TO SCALE



Q = 11 cfs
n = 0.033
FLOW DEPTH = 1.0'
VELOCITY = 3.7 fps
DITCH DEPTH = 2.0'

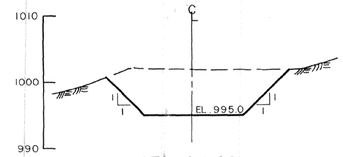
EMBANKMENT FACE SWALE

SCALE: 1" = 2'

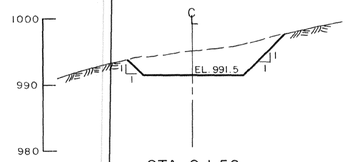


OVERFLOW SPILLWAY DETAIL

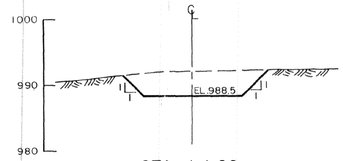
SCALE: 1"= 10'



STA. 0+00



STA. 0+50



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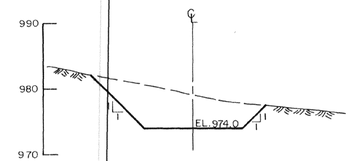

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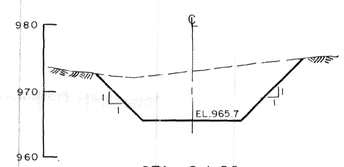
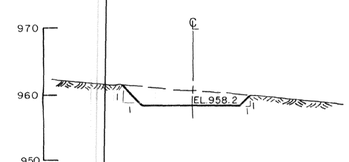
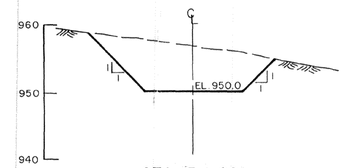


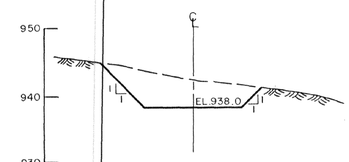
STA. 2+00



STA. 2+50



STA. 3+00



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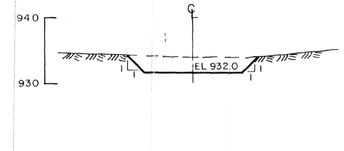
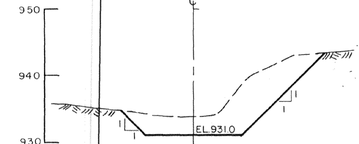


STA. 4+00



STA. 4+28.14

SECTIONS ALONG TEMPORARY DIVERSION DITCH

SCALE: 1" = 10'

NOTE:
FOR LOCATION OF SECTIONS SEE DWG. NO. 81-250-E21

DRAWING NO.	SHEET NO.	FIGURE NO.
81-250-E23	3 of 4	

DETAILS

COAL REFUSE DISPOSAL FACILITY
ALLISON MINE
BEALLSVILLE, BELMONT COUNTY, OHIO

PREPARED FOR

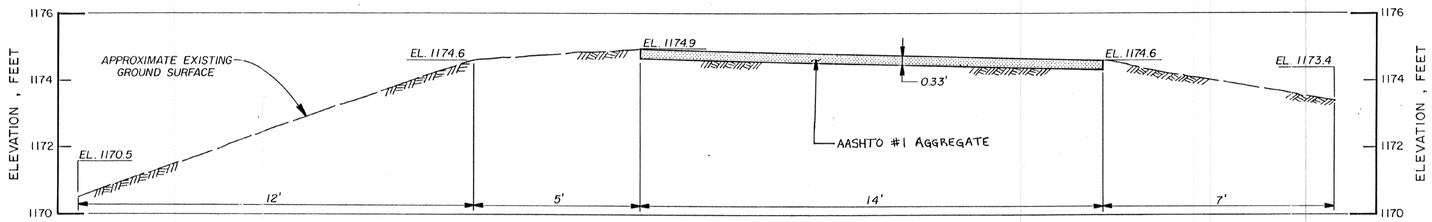
YOUGHIOGHENY AND OHIO COAL COMPANY
ST. CLAIRSVILLE, OHIO

OPERATOR R-0425-5

D'APPOLONIA

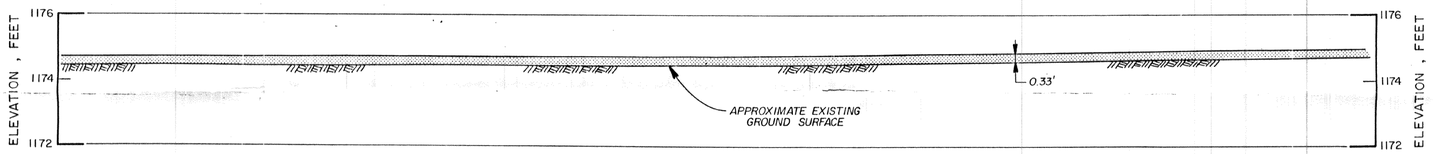
OIP-81032-D

DRAWN BY	D.J.D./ 3-19-83	CHECKED BY	DRAWING NUMBER 82-2120-E14
		APPROVED BY	



SECTION E-E

SCALE
2 0 2 4 FEET



SECTION F-F

SCALE
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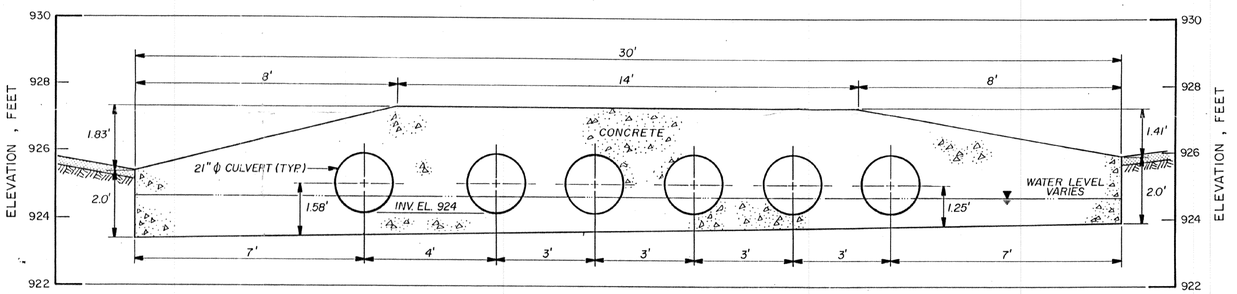
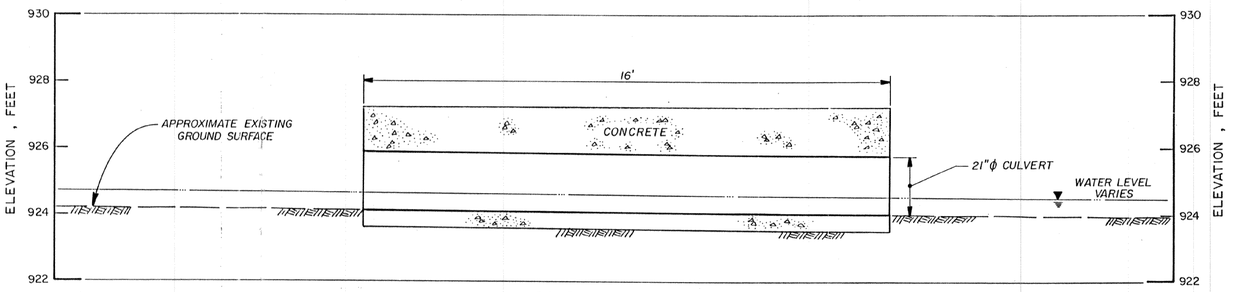


SECTION G-G

SCALE
2 0 2 4 FEET



SECTION H-H

SCALE
2 0 2 4 FEET

CERTIFICATION

I, THE UNDERSIGNED, HEREBY CERTIFY THAT THIS DRAWING IS CORRECT AND SHOWS TO THE BEST OF MY KNOWLEDGE AND BELIEF ALL INFORMATION REQUESTED BY CHAPTER 1513 OF THE REVISED CODE AND RULES ADOPTED THEREUNDER.

STATE OF OHIO * RICHARD G. ALMES E-35172 REGISTERED PROFESSIONAL ENGINEER *

RICHARD G. ALMES, P.E.
STATE OF OHIO
REGISTRATION NO. E-035172

COMMONWEALTH OF PENNSYLVANIA
ALLEGHENY COUNTY

TAKEN, SUBSCRIBED AND SWORN TO BEFORE ME THIS 20TH DAY OF MARCH, 1984.

NOTARY PUBLIC

MY COMMISSION EXPIRES:_____

NOTES:

1. FOR PLAN AND LOCATION OF SECTIONS SEE DWG. NO. 82-1862-E2.
2. BRIDGE CROSSING AND ROAD PROFILE BASED ON INFORMATION PROVIDED BY Y & O.

DRAWING NO.	SHEET NO.	FIGURE NO.
82-2120-E14		

SECTION E-E, F-F, G-G AND H-H

YOUGHIOGHENY AND OHIO COAL COMPANY
ST. CLAIRSVILLE, OHIO

ALLISON MINE

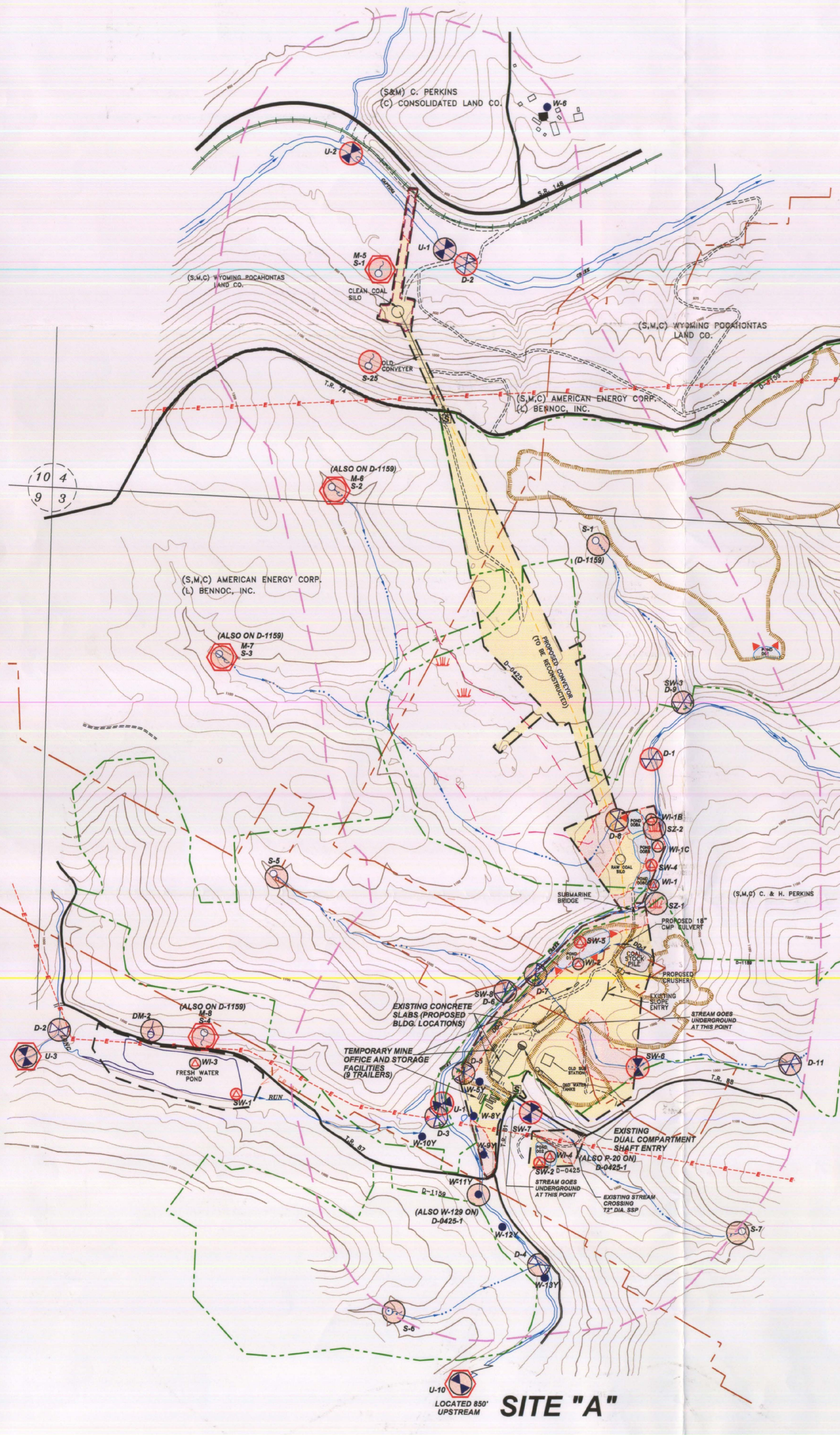
BEALLSVILLE, BELMONT COUNTY, OHIO

WAYNE TWP. (T6N, R5W) - SECTIONS 3 AND 4

SCALE AS SHOWN CONTOURS AS SHOWN DATE: SEPT. 15, 1982

OPERATOR R-0425-5

D'APPOLONIA



SITE "A"

SITE "B"

0.8 ACRE APPROVED I.B.R. AREA FOR D-0425 NO. 2 AIR SHAFT LOCATED IN THE SOUTHEAST QUARTER OF SECTION 26, T-5 R-4, WASHINGTON TOWNSHIP, BELMONT COUNTY, OHIO, ON THE ARMSTRONGS MILLS AND CAMERON USGS QUADRANGLE MAPS.

SCALE: 1" = 400'

SADE AREA 0.8 AC.

R-0425-5

OPERATOR

LOCATION MAP
SCALE 1" = 1 MILE
PERMIT SITE LOCATED ON THE USGS HUNTER QUAD.
DRAINAGE BASIN: CAPTINA CREEK

LEGEND

- OCCUPIED DWELLING
- UNOCCUPIED DWELLING
- PUBLIC, COMMUNITY, INSTITUTIONAL BUILDING
- SCHOOL
- CHURCH
- COMMERCIAL/BUSINESS BUILDING
- WELL (GAS/OIL)
- PUBLIC ROADS
- PRIVATE ROADS
- PROPERTY LINE
- BEGIN MINING
- END MINING
- SLOPE MEASUREMENTS
- TEST BORING
- ENTRANCE SIGN
- FINAL HIGHWALL
- EXISTING HIGHWALL
- EXISTING BACKFILLED HIGHWALL
- COAL OUTCROP
- PREVIOUS MINING AREA
- CROPLAND 0.0 ACRES
- AUGER AREA
- PRIME FARMLAND 0.0 ACRES
- EXISTING WATER IMPOUNDMENT
- PERENNIAL STREAM
- INTERMITTENT STREAM
- CONSTRUCTED DRAINWAY
- DIRECTION OF FLOW
- 100' STREAM BUFFER ZONE
- WATER TREATMENT FACILITY
- SEDIMENT POND
- TOPSOIL STORAGE
- PROPOSED AFFECTED AREA 45.8 ACRES (PERMIT D-0425)
- (S) SURFACE OWNER
- (C) COAL OWNER
- (M) MINERAL OWNER
- (L) LESSEE
- 1000' LIMITS
- PUBLIC WATER LINE
- SEEP, SEEPAGE ZONE, SWAMP
- U– UPSTREAM SAMPLING STATION
- D– DOWNSTREAM SAMPLING STATION
- W– DRILLED WELL (NO LOG AVAILABLE)
- DW– DUG WELL
- DS– DEVELOPED SPRING
- S– UNDEVELOPED SPRING
- WI– WATER IMPOUNDMENT
- SW– SURFACE WATER SAMPLING SITE (ORIGINAL PERMIT D–0425)
- BACKGROUND SAMPLING STATION D–0425
- BACKGROUND SAMPLING STATION D–1159
- DM– DEEP MINE ENTRY (WATER DISCHARGE)
- DEEP MINE ENTRY
- UNDERGROUND MINE LIMITS
  Y & O COAL COMPANY, ALLISON MINE IN THE PITTSBURGH #8 COAL SEAM, CURRENT MINE STATUS - INACTIVE.
- MONITORING STATION *(PREVIOUS D-0425, CURRENT D-1159)*
- AERIAL POWER LINE
- SADE AREAS (PREVIOUSLY APPROVED UNDER 1.2 AC. ORIGINAL PERMIT D–0425)

- SURFACE PERMIT D–0425
- SURFACE PERMIT D–1159
- AREA AFFECTED BY D–1159
- PRE–LAW REFUSE DISPOSAL AREA (RECLAIMED)
- EXISTING PONDS
- EXISTING STRUCTURES

NOTES:

1. TOPOGRAPHIC MAP PREPARED BY AERIAL MAP SERVICE CO., PITTSBURGH, PA., DATED MAY 2, 1979, SCALE: 1" = 200'
2. ACTIVE MINING HAS BEEN CONDUCTED ON PERMIT D–1159, THEREFORE, CONTOURS WITHIN THE PERMITTED AREA DO NOT REFLECT CURRENT CONTOURS.

I, THE UNDERSIGNED, HEREBY CERTIFY THAT THIS MAP IS CORRECT, AND SHOWS TO THE BEST OF MY KNOWLEDGE AND BELIEF ALL THE INFORMATION REQUIRED BY CHAPTER 1513 OF THE REVISED CODE AND RULES ADOPTED THEREUNDER.

Cathy M Billman — 7199
REG. SURVEYOR #

ACKNOWLEDGED BEFORE ME A NOTARY PUBLIC THIS 15th DAY OF May 2001

JEANETTE M. HAMILTON, Notary Public
State of Ohio
My Commission Expires September 13, 2003

Jeanette M. Hamilton
NOTARY PUBLIC

2 WORKING DAYS
BEFORE YOU DIG
CALL TOLL FREE 800–362–2764
OHIO UTILITIES PROTECTION SERVICE

APPLICATION TO REVISE PERMIT R-0425-5

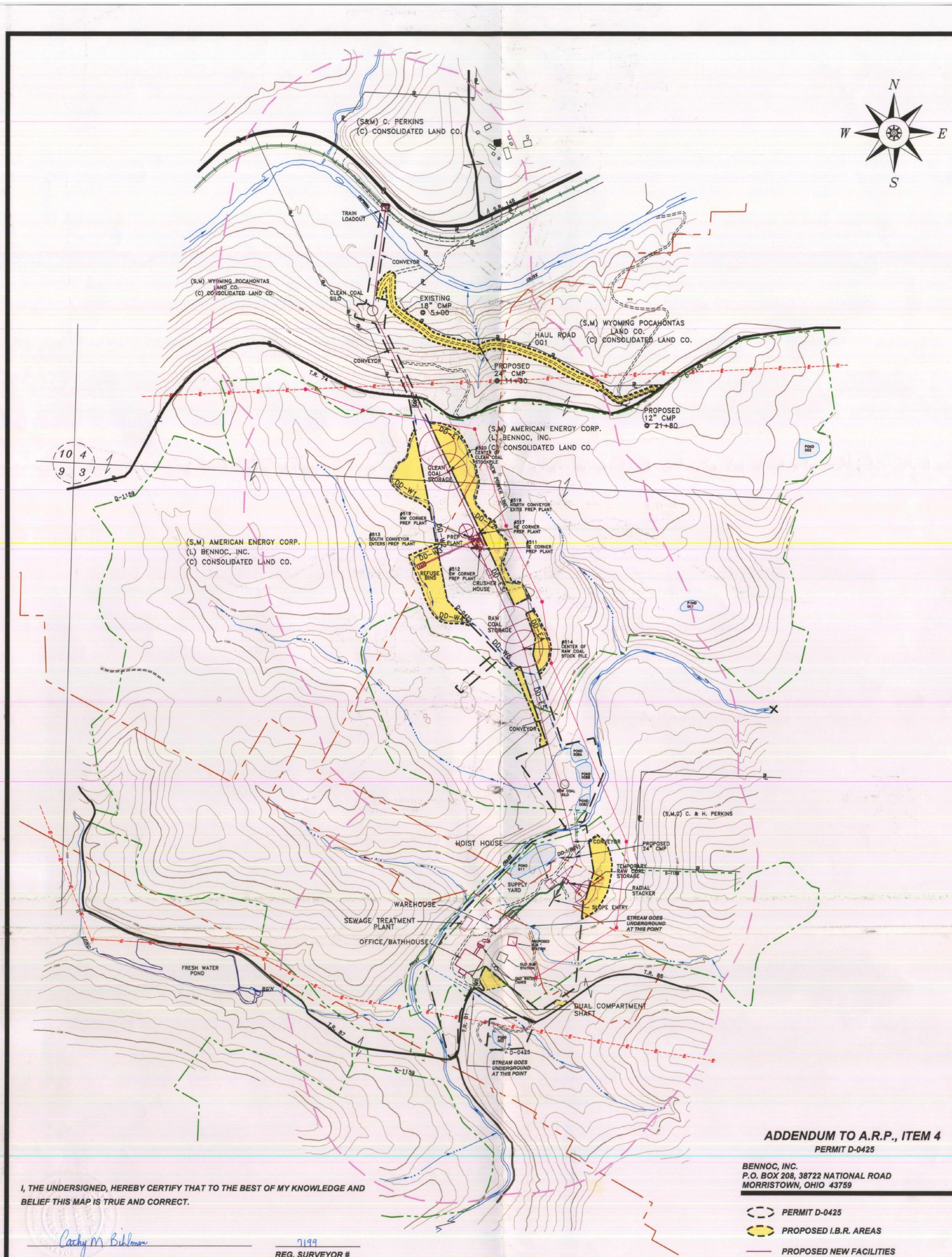
BENNOC, INC.

SECTION: 3, 4	T.- 6 R.- 5
TWP.- WAYNE	COUNTY: BELMONT
SCALE: 1" = 400'	CONTOUR INTERVAL: 20'
DATE PREPARED: November 30, 2000	

JACK A. HAMILTON & ASSOCIATES, INC.
FLUSHING, OHIO

DATE REVISED: 01-17-01
DATE REVISED: 04-09-01
DATE REVISED: 05-10-01

625-S.DWG



I, THE UNDERSIGNED, HEREBY CERTIFY THAT TO THE BEST OF MY KNOWLEDGE AND BELIEF THIS MAP IS TRUE AND CORRECT.

Cathy M Bihlman — 7199
REG. SURVEYOR #

ACKNOWLEDGED BEFORE ME A NOTARY PUBLIC THIS 27th DAY OF June, 2001

ELLEN M. GREER, Notary Public
State of Ohio
My Commission Expires September 23, 2001

Ellen M. Greer
NOTARY PUBLIC

ADDENDUM TO A.R.P., ITEM 4

PERMIT D-0425

BENNOC, INC.
P.O. BOX 208, 38722 NATIONAL ROAD
MORRISTOWN, OHIO 43759

PERMIT D-0425

PROPOSED I.B.R. AREAS

PROPOSED NEW FACILITIES

SITUATED IN SECTIONS 3 AND 4, T-6 R-5,
WAYNE TOWNSHIP, BELMONT COUNTY, OHIO.

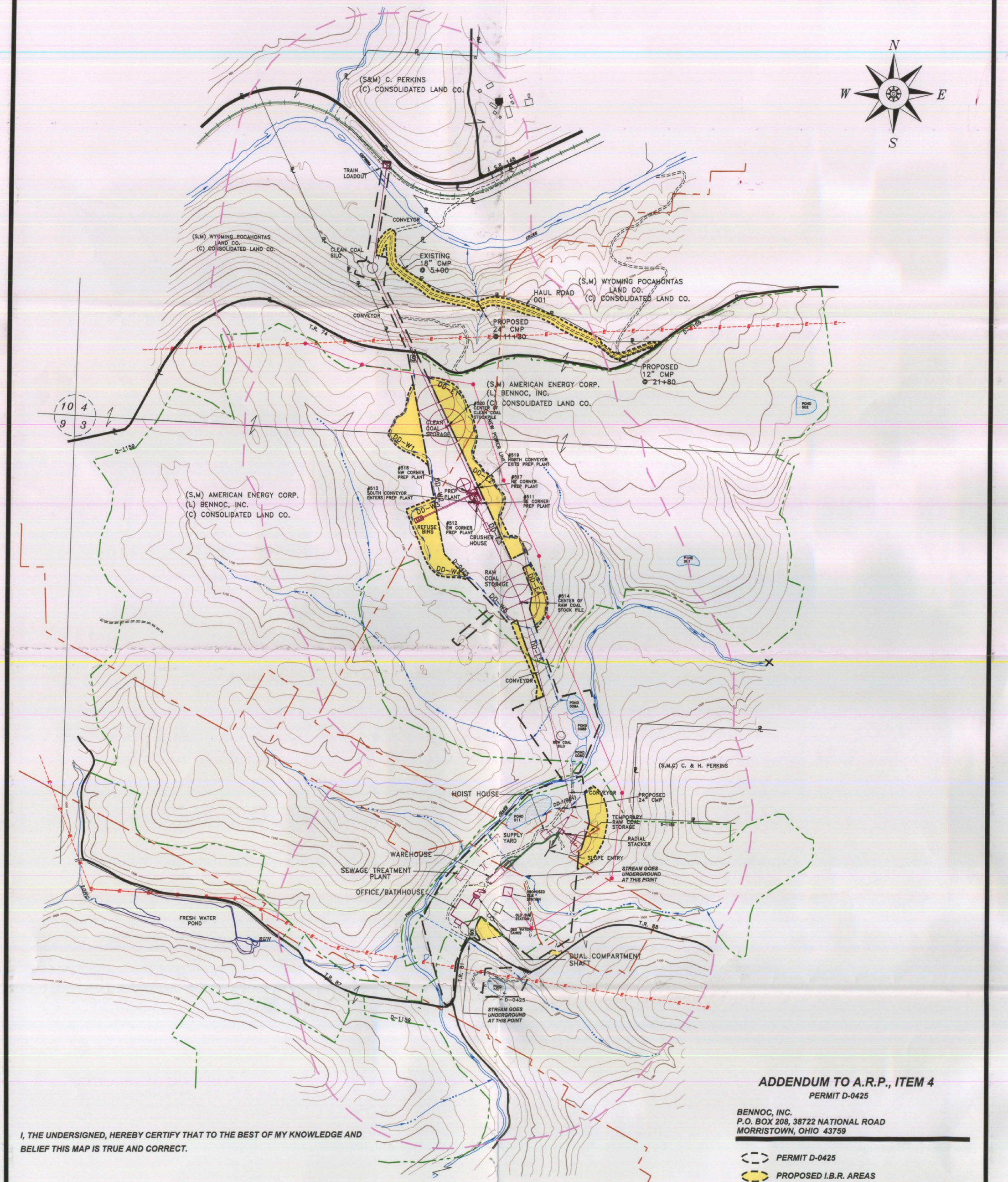
LOCATED ON THE USGS HUNTER QUADRANGLE.

SCALE: 1" = 400' CONTOUR INTERVAL: 5'

DATE PREPARED: FEBRUARY 26, 2001

ARP.DWG DRAWN BY: SSU REVISED: 6-27-01

AEC 08587



I, THE UNDERSIGNED, HEREBY CERTIFY THAT TO THE BEST OF MY KNOWLEDGE AND BELIEF THIS MAP IS TRUE AND CORRECT.

_____ _____

REG. SURVEYOR #

ACKNOWLEDGED BEFORE ME A NOTARY PUBLIC THIS ____ DAY OF _____

_____

NOTARY PUBLIC

ADDENDUM TO A.R.P., ITEM 4

PERMIT D-0425

BENNOC, INC.
P.O. BOX 208, 38722 NATIONAL ROAD
MORRISTOWN, OHIO 43759

PERMIT D-0425

PROPOSED I.B.R. AREAS

PROPOSED NEW FACILITIES

SITUATED IN SECTIONS 3 AND 4, T-6 R-5,
WAYNE TOWNSHIP, BELMONT COUNTY, OHIO.

LOCATED ON THE USGS HUNTER QUADRANGLE.

SCALE: 1" = 400' CONTOUR INTERVAL: 5'

DATE PREPARED: FEBRUARY 26, 2001

ARP.DWG *DRAWN BY: SSU* *REVISED: 6-27-01*

AEC 08588